

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036995.D
 Acq On : 19 May 2021 17:10
 Operator : SY/AP
 Sample : M2424-11
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-01

Quant Time: May 20 06:30:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1187606	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3683991	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3385145	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2525559	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

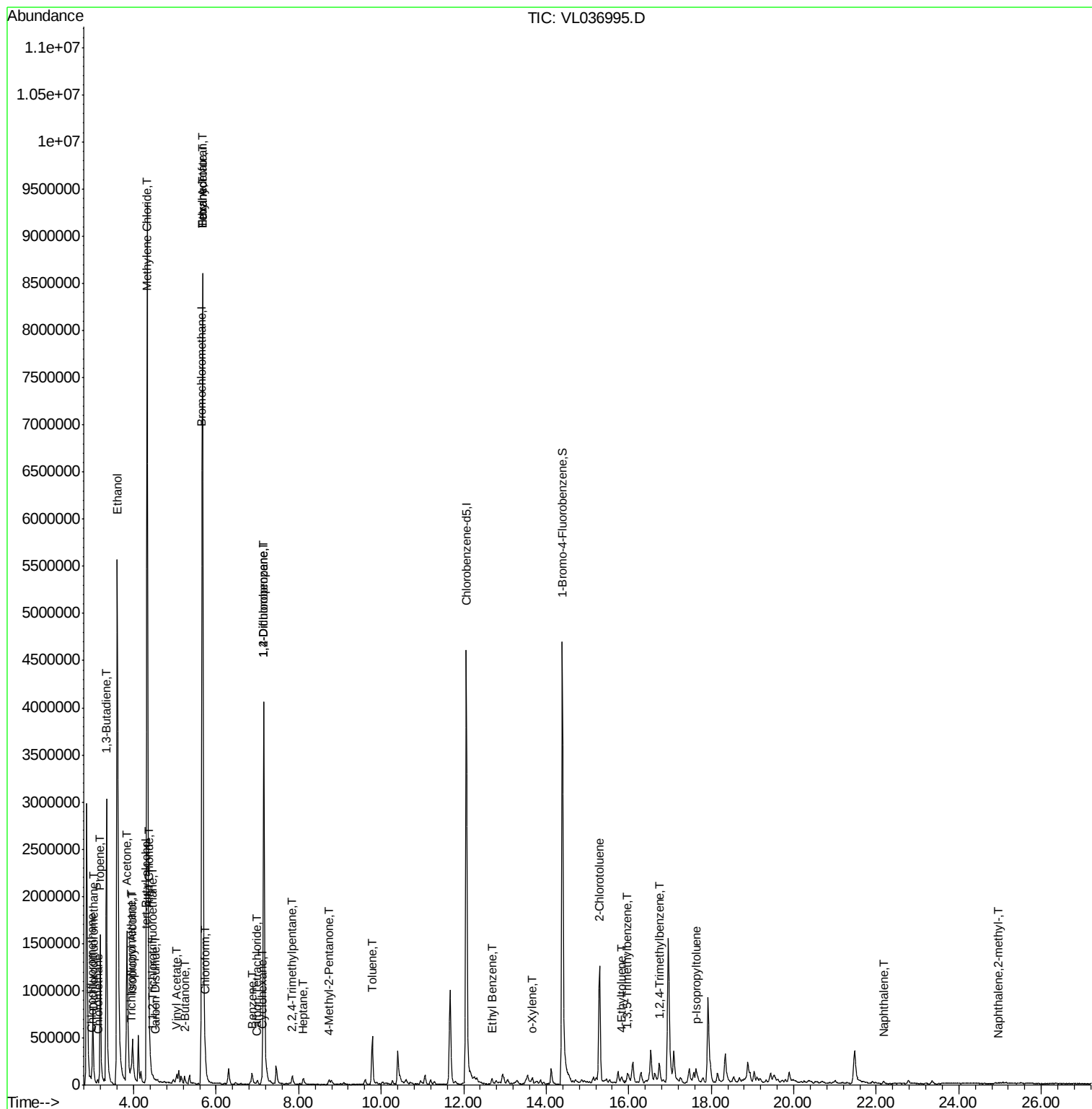
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	34865	0.173	ppbv #	87
3) Chlorodifluoromethane	2.97	51	100087	0.460	ppbv #	81
4) Chloromethane	3.12	50	42687	0.577	ppbv	98
9) Propene	3.19	41	518336	6.653	ppbv	95
10) Heptane	8.10	43	14994	0.077	ppbv #	57
11) Trichlorofluoromethane	3.93	101	90879	0.487	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.46	101	4948	0.037	ppbv #	14
13) Ethanol	3.60	45	8357888	804.036	ppbv	95
15) Acetone	3.83	43	2264327	18.615	ppbv	93
16) 1,3-Butadiene	3.34	39	468335	6.197	ppbv #	13
17) tert-Butyl alcohol	4.29	59	13148	0.118	ppbv #	72
19) Isopropyl Alcohol	3.97	45	586959	8.976	ppbv #	35
20) Methylene Chloride	4.33	84	4310192	66.102	ppbv	94
21) Allyl Chloride	4.37	41	6210	0.068	ppbv #	19
23) Vinyl Acetate	5.04	43	53253	0.276	ppbv #	20
25) Ethyl Acetate	5.67	43	2746475	9.396	ppbv #	77
26) Hexane	5.67	57	3878706	25.975	ppbv #	47
27) Carbon Disulfide	4.54	76	11103	0.074	ppbv #	68
29) Chloroform	5.74	83	81748	0.387	ppbv	88
30) Cyclohexane	7.11	84	27949	0.220	ppbv #	20
34) 2-Butanone	5.23	43	103903	0.775	ppbv	99
35) Carbon Tetrachloride	7.00	117	14356	0.059	ppbv	87
36) Benzene	6.87	78	97781	0.308	ppbv	99
39) 1,2-Dichloropropane	7.15	63	873594	7.147	ppbv #	25
41) Tetrahydrofuran	5.67	42	1425532	18.659	ppbv #	51
44) 2,2,4-Trimethylpentane	7.84	57	38527	0.071	ppbv #	24
50) 4-Methyl-2-Pentanone	8.74	43	41381	0.187	ppbv #	83
53) Toluene	9.78	91	387638	1.027	ppbv	98
58) Ethyl Benzene	12.68	91	29773	0.062	ppbv	98
60) o-Xylene	13.66	91	43046	0.114	ppbv	99
69) p-Isopropyltoluene	17.64	119	47742	0.083	ppbv #	40
71) 2-Chlorotoluene	15.29	91	317390	0.812	ppbv #	42
72) 4-Ethyltoluene	15.82	105	26953	0.060	ppbv #	84
73) 1,3,5-Trimethylbenzene	15.97	105	37542	0.089	ppbv #	80
74) 1,2,4-Trimethylbenzene	16.74	105	69130	0.159	ppbv #	69
79) Naphthalene	22.19	128	15336	0.045	ppbv #	94
80) Naphthalene,2-methyl-	24.95	142	4111	0.056	ppbv #	85

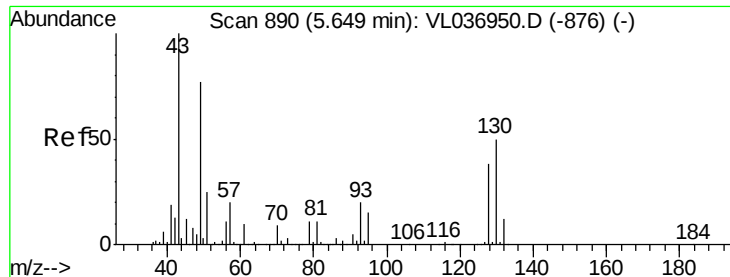
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

KIA-01

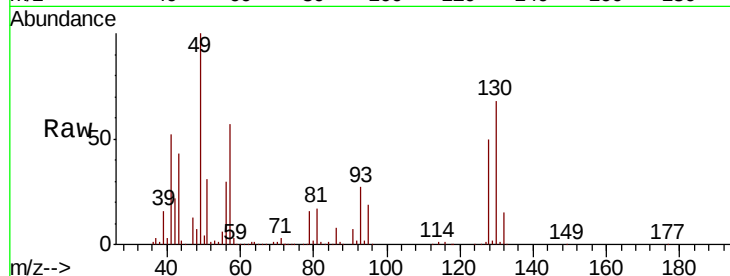
Tot Ion: 49 Resp: 1187606

Ion Ratio Lower Upper

49 100

128 54.0 26.9 80.7

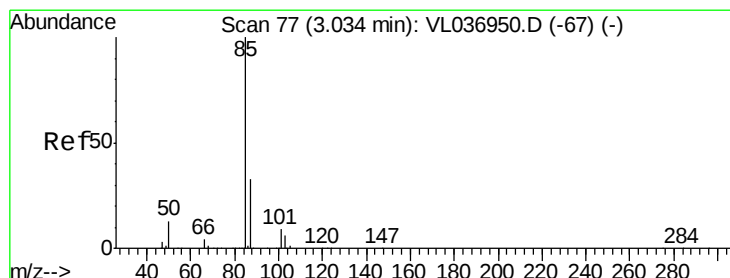
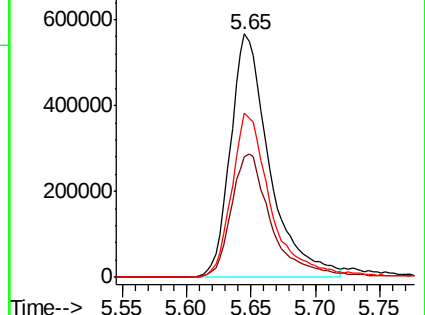
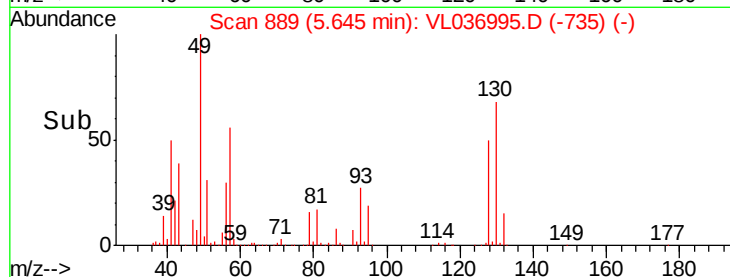
130 69.6 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.173 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL036995.D

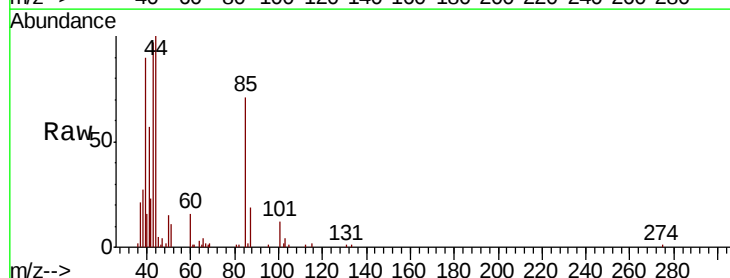
Acq: 19 May 2021 17:10

Tgt Ion: 85 Resp: 34865

Ion Ratio Lower Upper

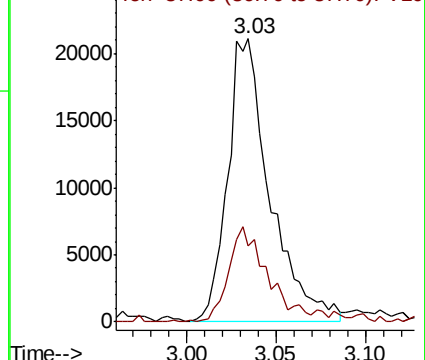
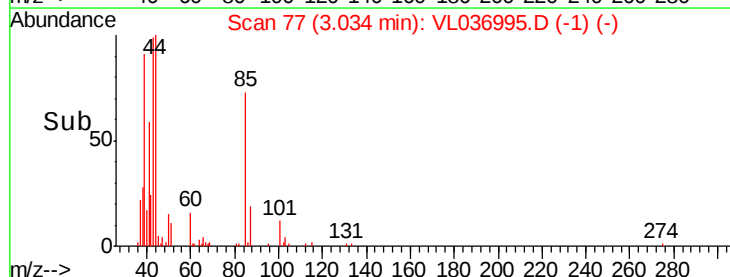
85 100

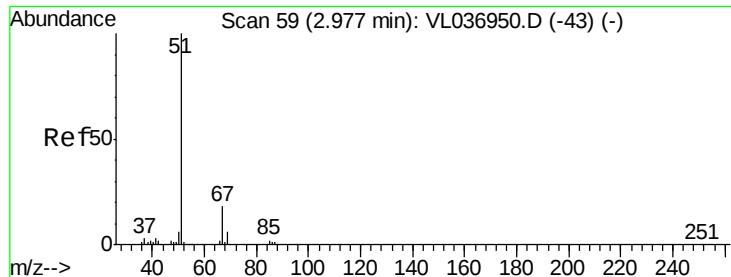
87 25.9 26.6 39.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.460 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

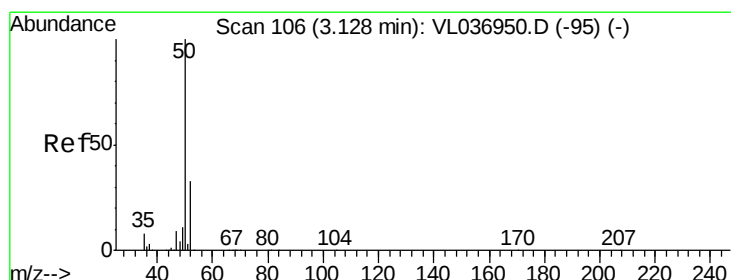
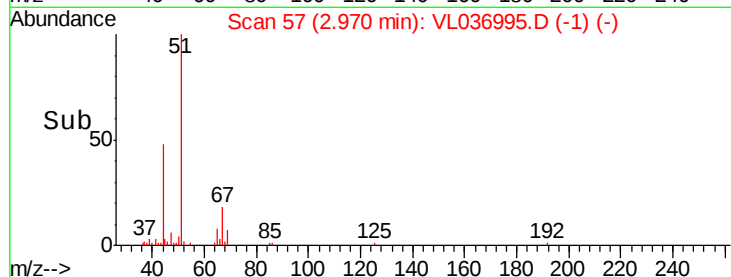
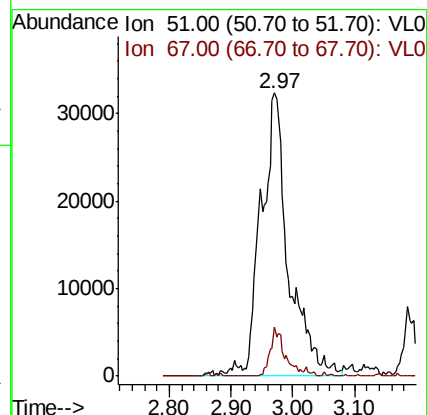
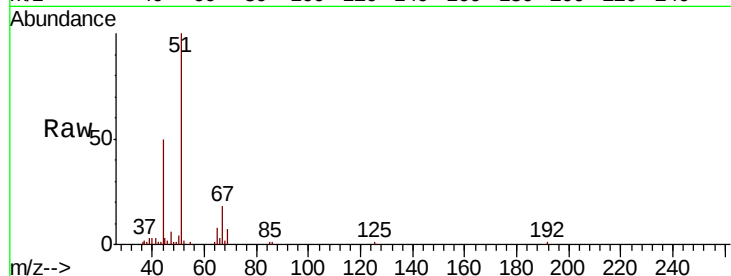
KIA-01

Tot Ion: 51 Resp: 100087

Ion Ratio Lower Upper

51 100

67 9.6 14.6 21.8#



#4

Chloromethane

Concen: 0.577 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036995.D

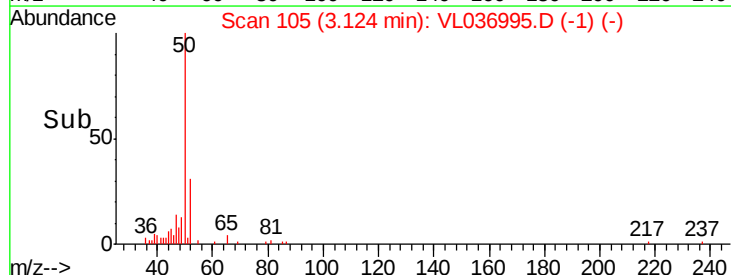
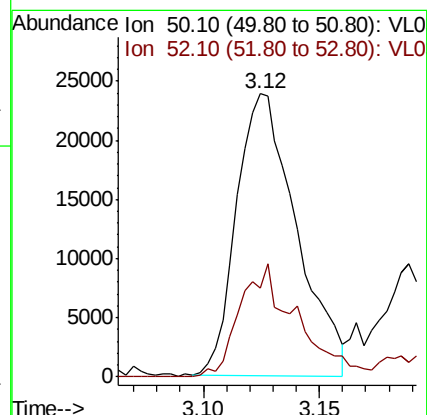
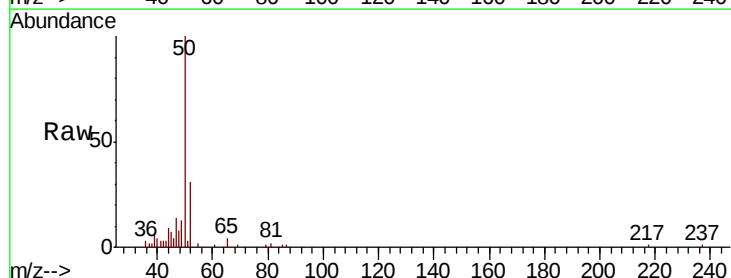
Acq: 19 May 2021 17:10

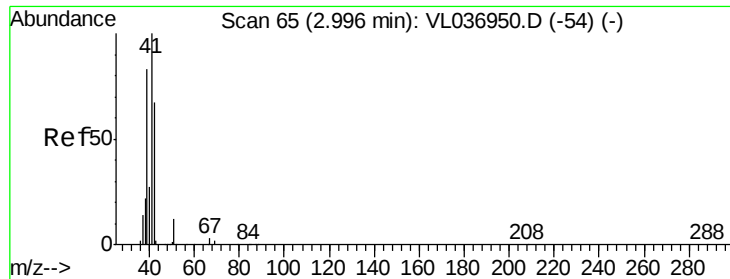
Tgt Ion: 50 Resp: 42687

Ion Ratio Lower Upper

50 100

52 31.5 26.1 39.1





#9

Propene

Concen: 6.653 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.19 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

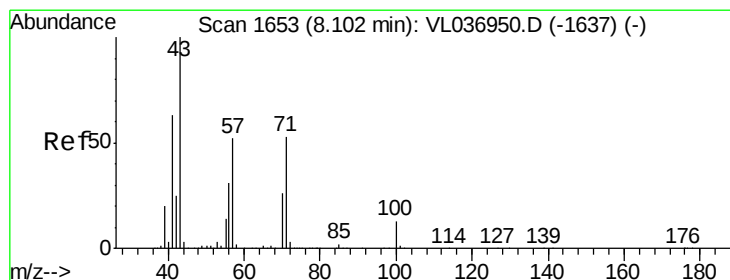
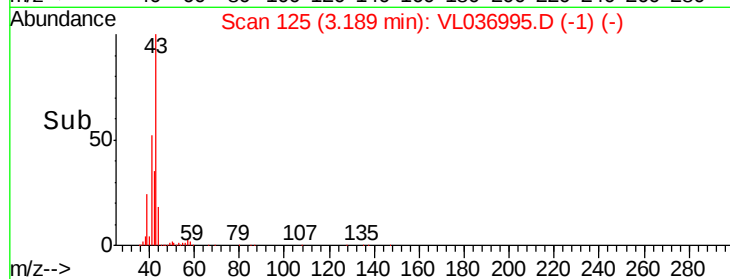
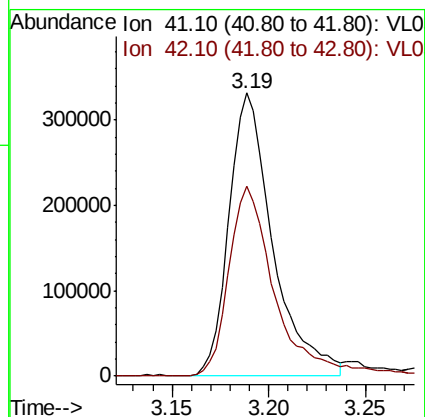
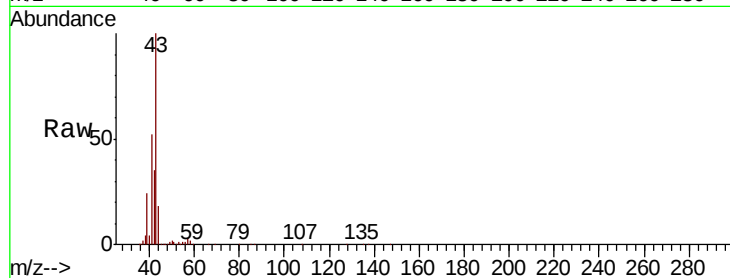
KIA-01

Tot Ion: 41 Resp: 518336

Ion Ratio Lower Upper

41 100

42 71.8 53.9 80.9



#10

Heptane

Concen: 0.077 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL036995.D

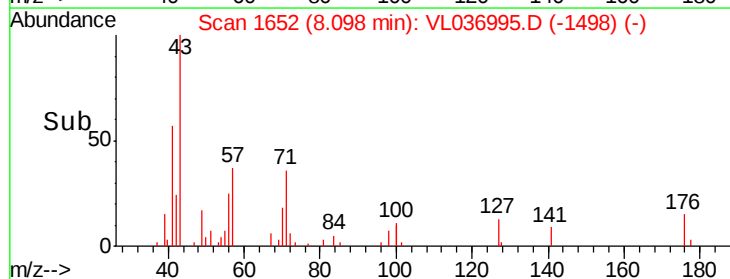
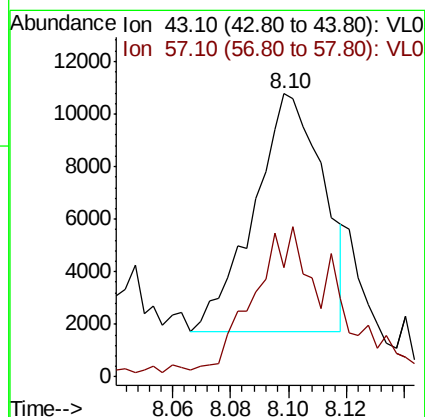
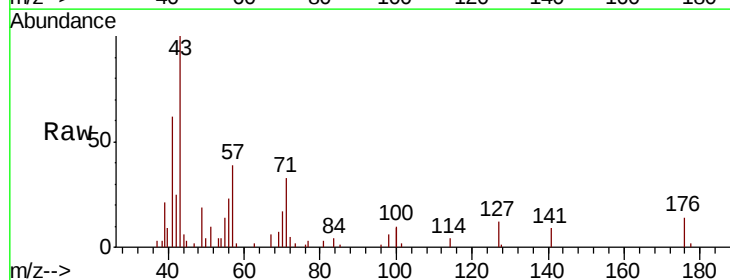
Acq: 19 May 2021 17:10

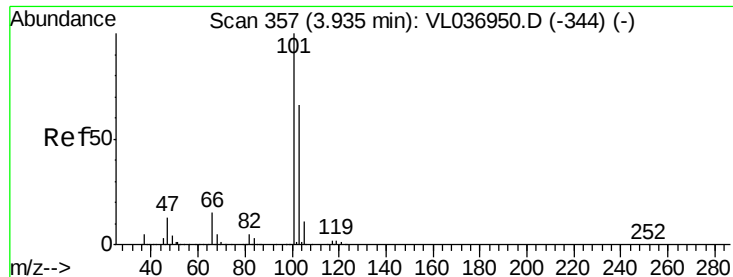
Tgt Ion: 43 Resp: 14994

Ion Ratio Lower Upper

43 100

57 81.2 41.0 61.6#





#11

Trichlorofluoromethane

Concen: 0.487 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

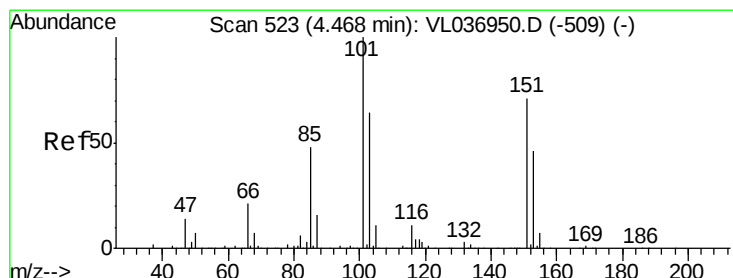
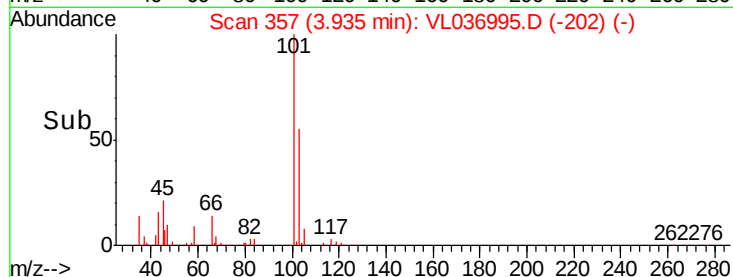
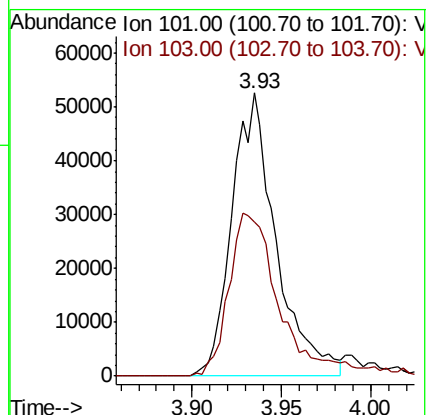
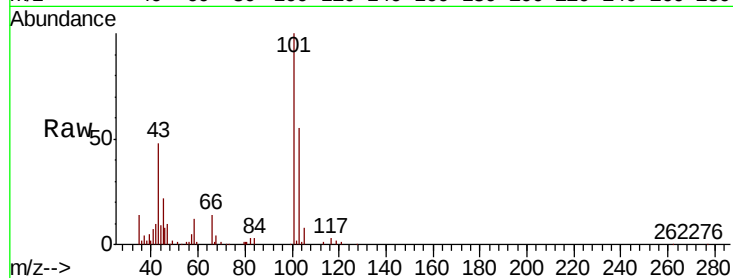
KIA-01

Tot Ion:101 Resp: 90879

Ion Ratio Lower Upper

101 100

103 54.6 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.037 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.01 min

Lab File: VL036995.D

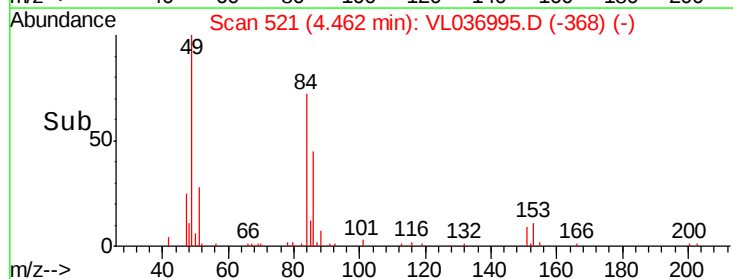
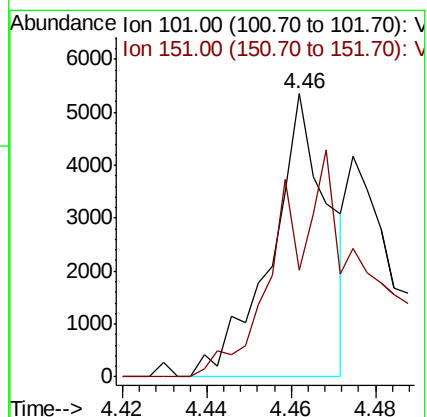
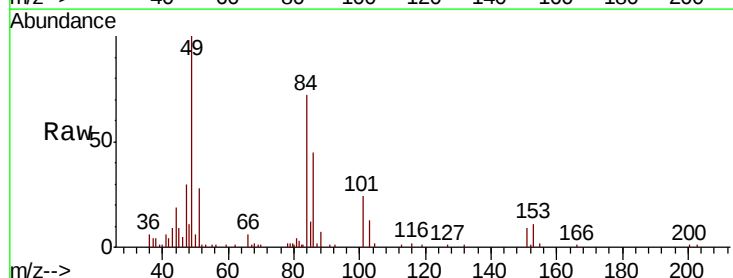
Acq: 19 May 2021 17:10

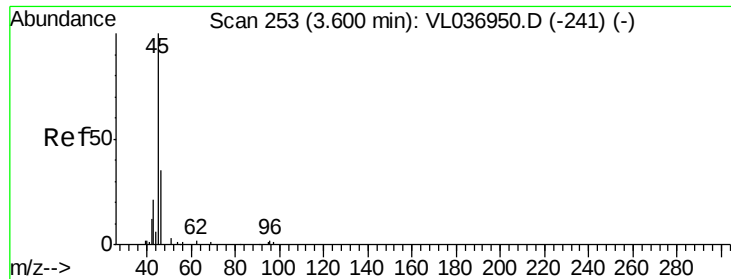
Tgt Ion:101 Resp: 4948

Ion Ratio Lower Upper

101 100

151 0.0 57.7 86.5#





#13

Ethanol

Concen: 804.036 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

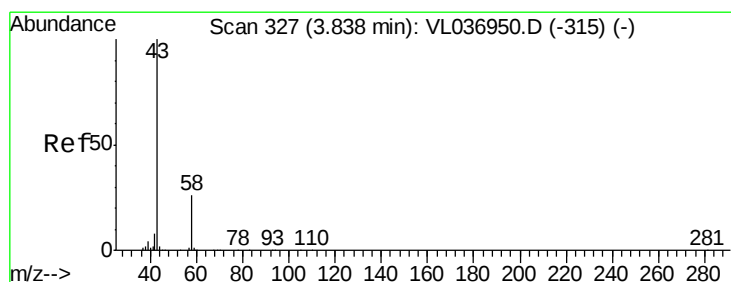
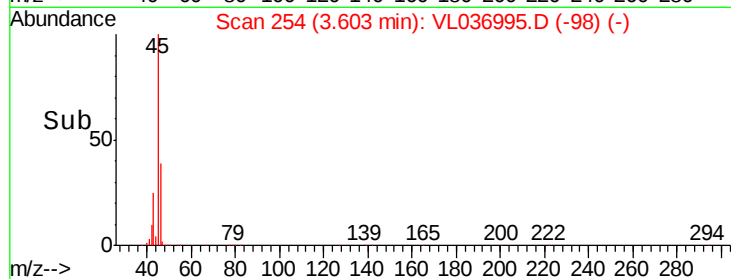
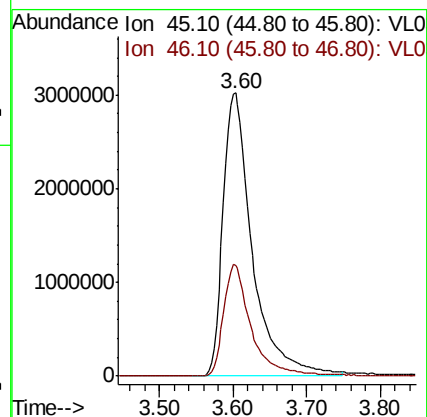
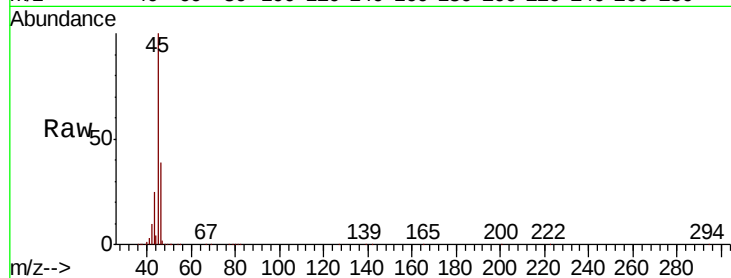
KIA-01

Tot Ion: 45 Resp: 8357888

Ion Ratio Lower Upper

45 100

46 37.8 16.3 65.3



#15

Acetone

Concen: 18.615 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL036995.D

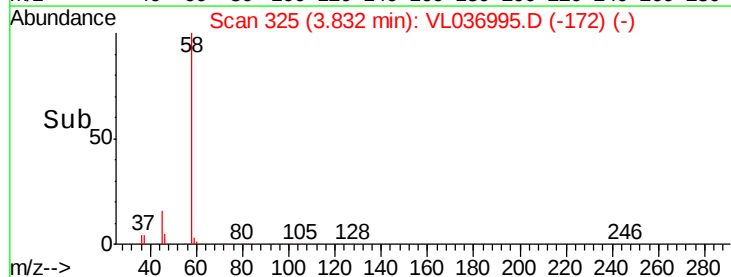
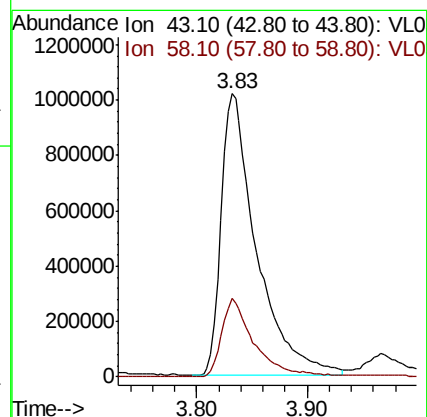
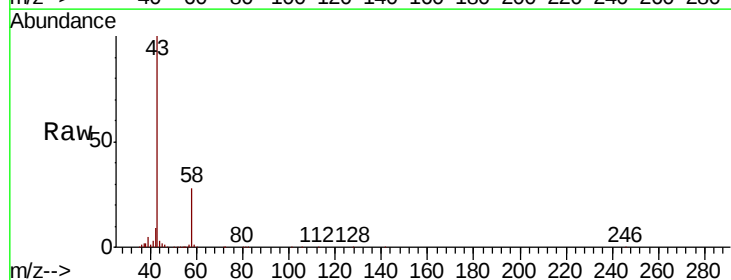
Acq: 19 May 2021 17:10

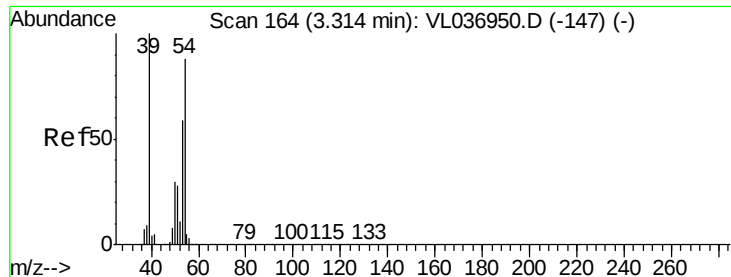
Tgt Ion: 43 Resp: 2264327

Ion Ratio Lower Upper

43 100

58 26.0 24.0 36.0

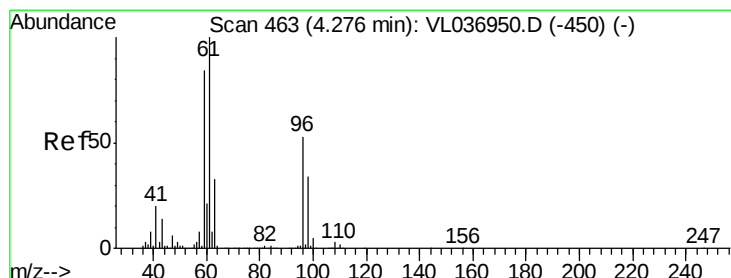
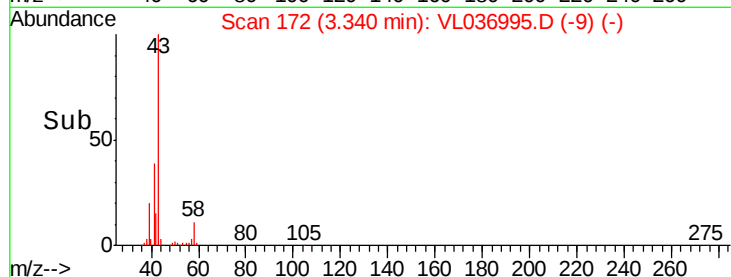
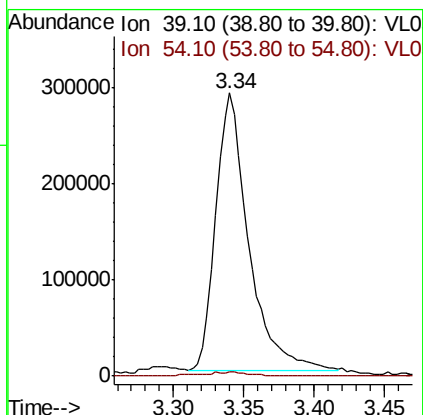
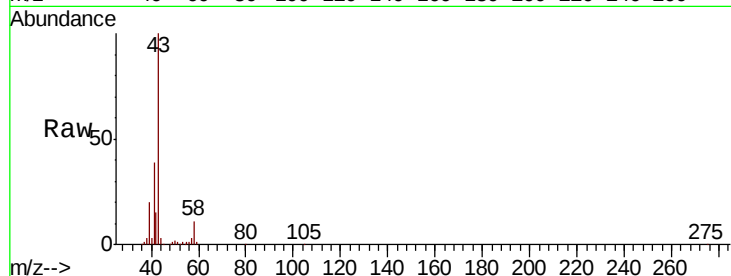




#16
1,3-Butadiene
Concen: 6.197 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.03 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

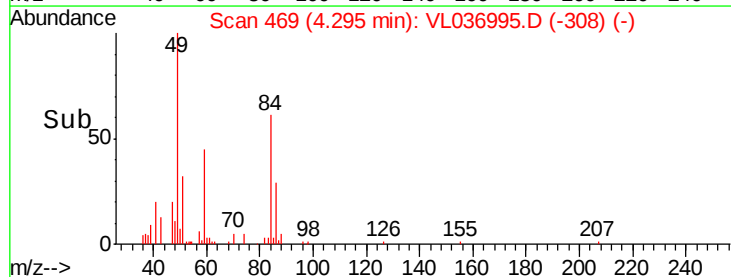
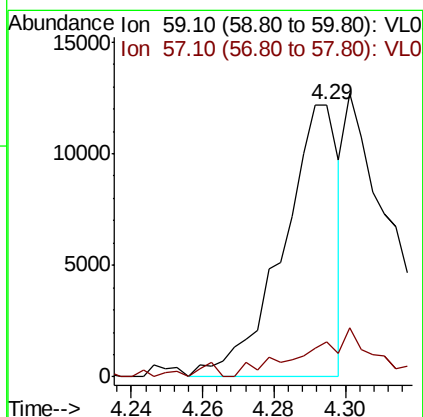
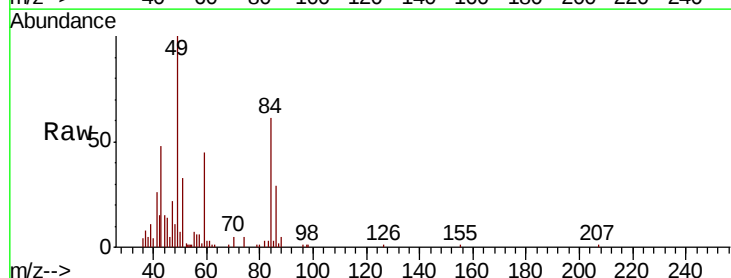
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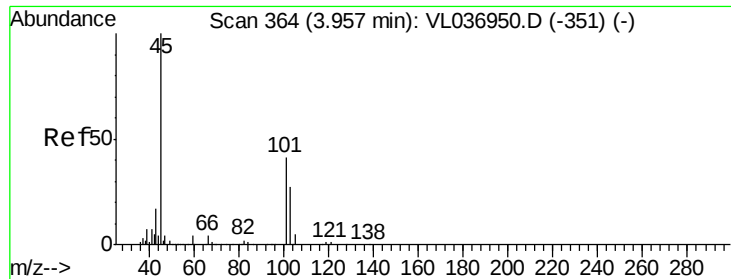
Tot Ion: 39 Resp: 468335
Ion Ratio Lower Upper
39 100
54 2.6 63.2 94.8#



#17
tert-Butyl alcohol
Concen: 0.118 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

Tgt Ion: 59 Resp: 13148
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 8.976 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

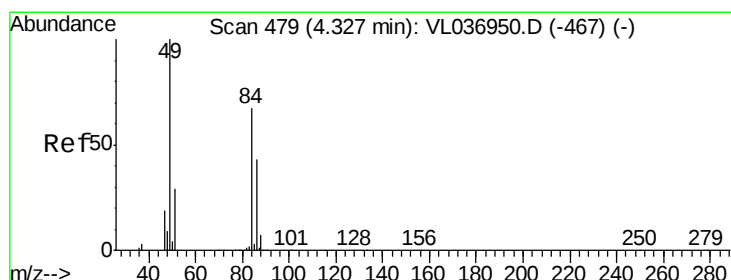
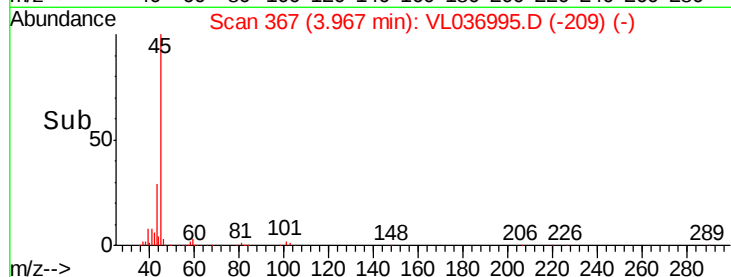
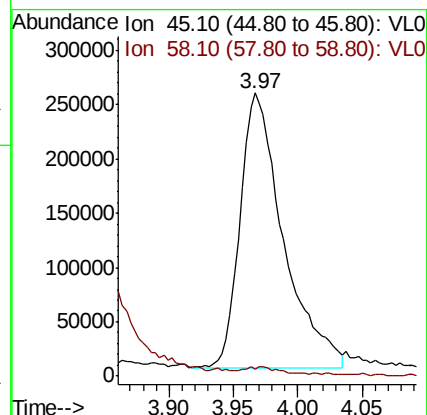
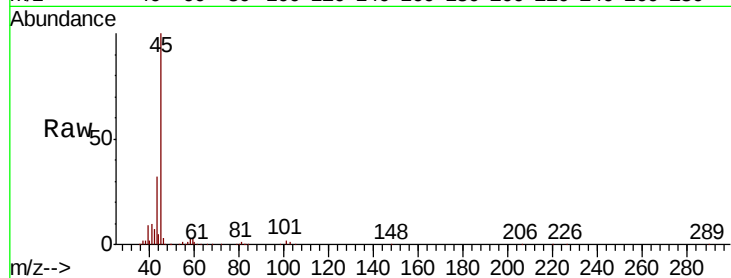
KIA-01

Tot Ion: 45 Resp: 586959

Ion Ratio Lower Upper

45 100

58 3.6 37.2 55.8#



#20

Methylene Chloride

Concen: 66.102 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Tgt Ion: 84 Resp: 4310192

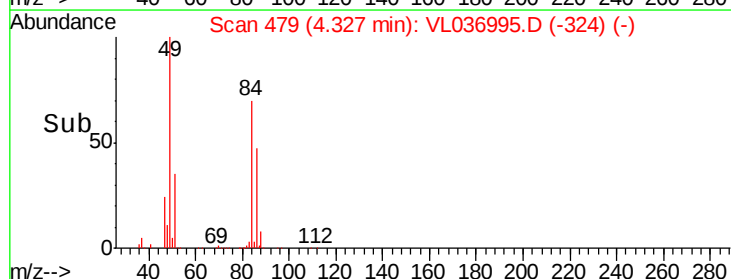
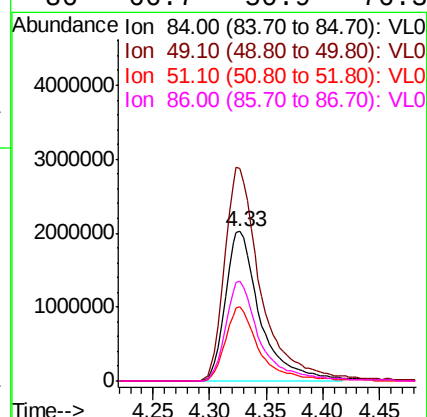
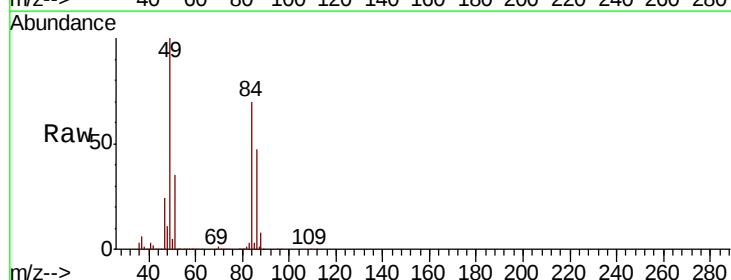
Ion Ratio Lower Upper

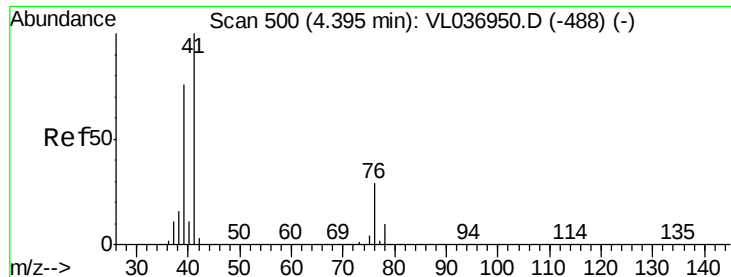
84 100

49 142.4 119.8 179.6

51 49.6 35.1 52.7

86 66.7 50.9 76.3





#21

Allvl Chloride

Concen: 0.068 ppbv

RT: 4.37 min Scan# 493

Delta R.T. -0.02 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

KIA-01

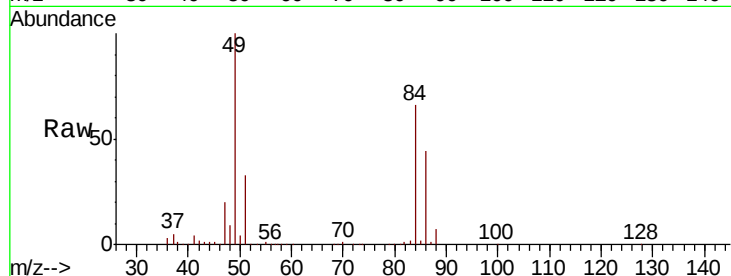
Tot Ion: 41 Resp: 6210

Ion Ratio Lower Upper

41 100

76 0.0 24.9 37.3#

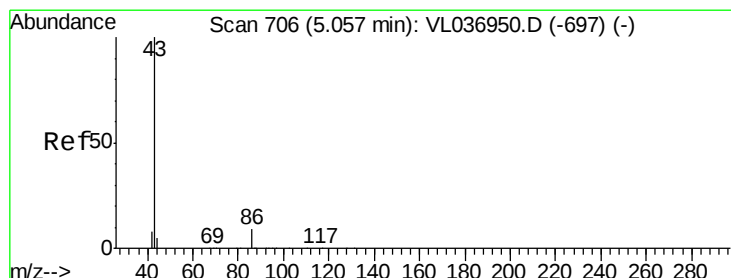
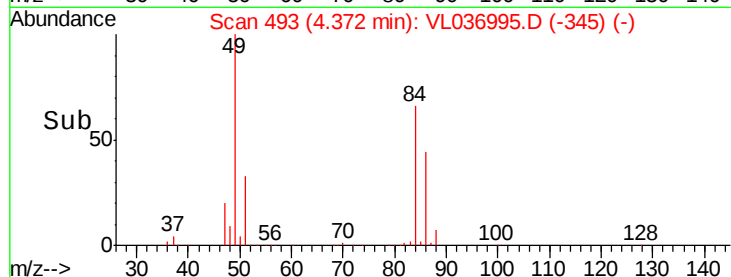
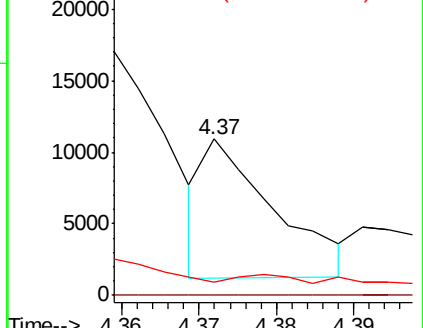
39 0.0 63.7 95.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.276 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Tgt Ion: 43 Resp: 53253

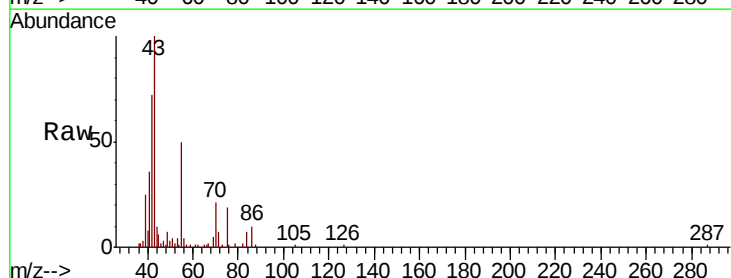
Ion Ratio Lower Upper

43 100

86 8.2 5.8 8.8

42 72.1 7.4 11.2#

44 1.8 3.3 4.9#

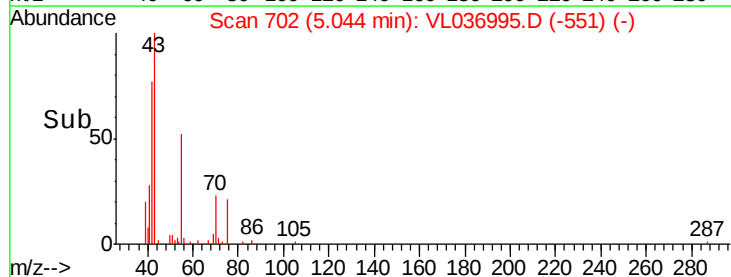
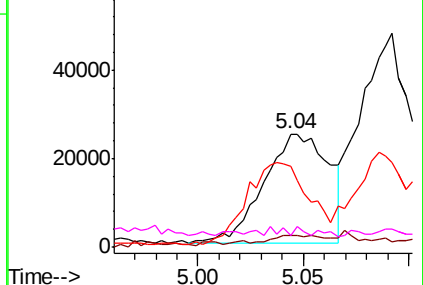


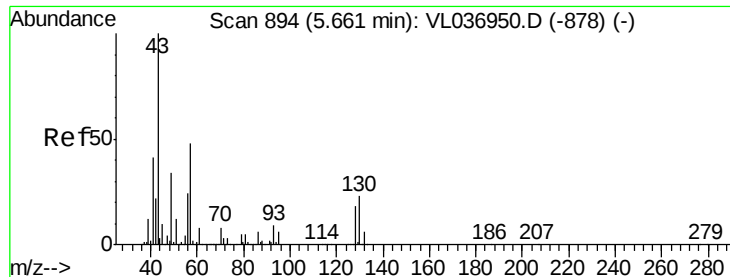
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#25

Ethyl Acetate

Concen: 9.396 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

KIA-01

Tot Ion: 43 Resp: 2746475

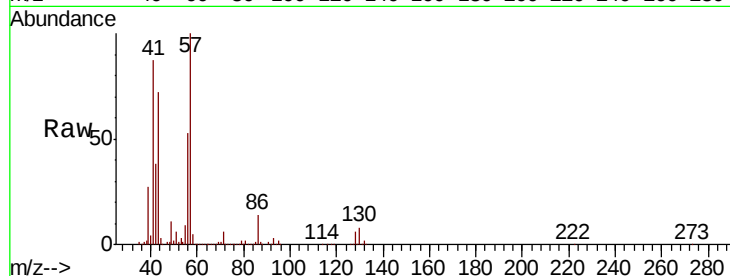
Ion Ratio Lower Upper

43 100

45 0.4 7.8 11.8#

61 0.4 7.8 11.8#

70 1.5 5.6 8.4#

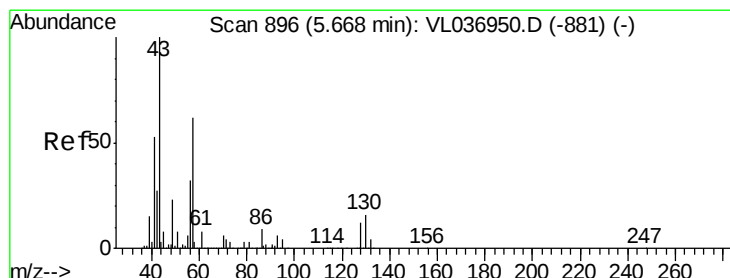
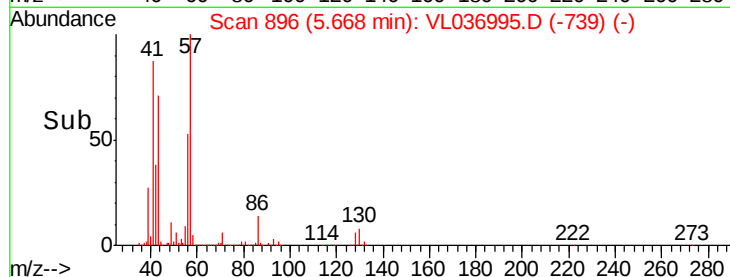
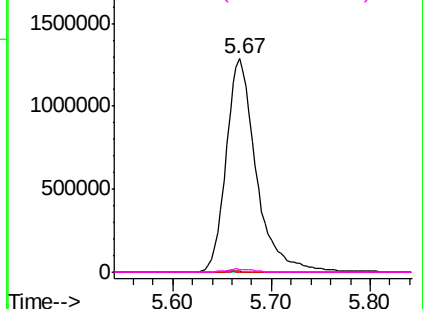


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 25.975 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Tgt Ion: 57 Resp: 3878706

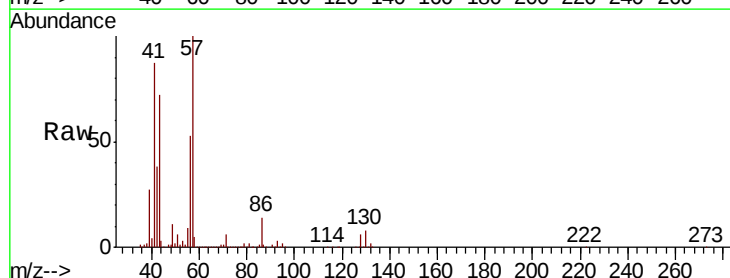
Ion Ratio Lower Upper

57 100

41 89.0 70.5 105.7

43 71.4 165.8 248.8#

56 53.2 42.2 63.4

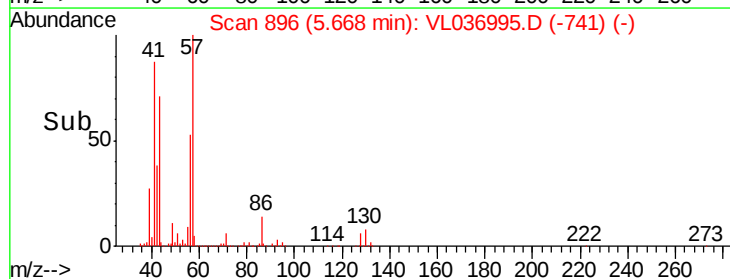
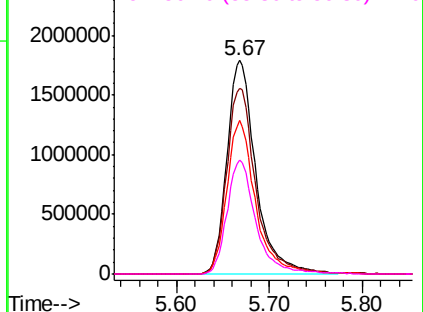


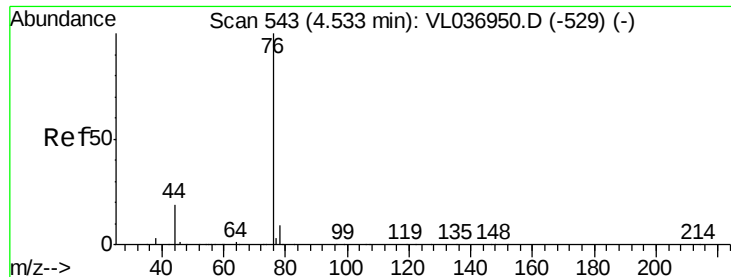
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.074 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampled :

KIA-01

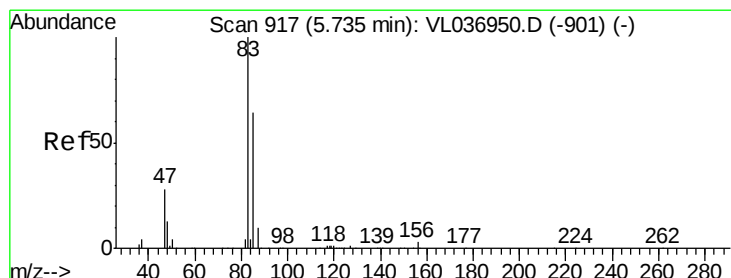
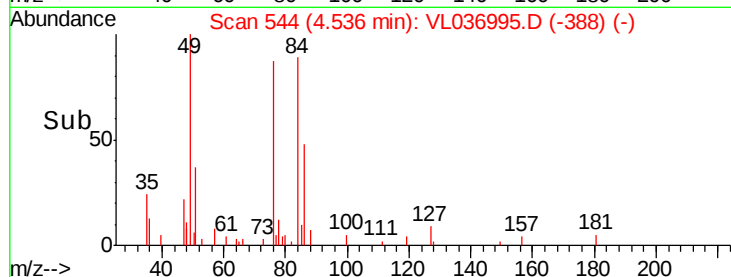
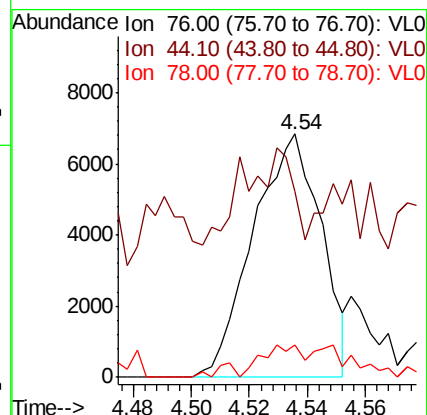
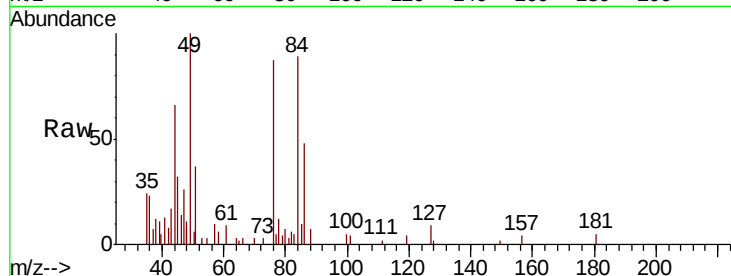
Tot Ion: 76 Resp: 11103

Ion Ratio Lower Upper

76 100

44 36.3 15.5 23.3#

78 18.1 7.8 11.6#



#29

Chloroform

Concen: 0.387 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.00 min

Lab File: VL036995.D

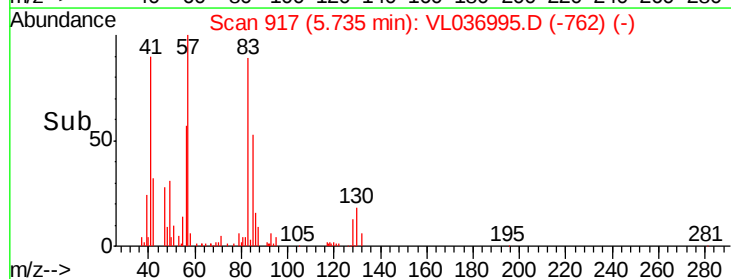
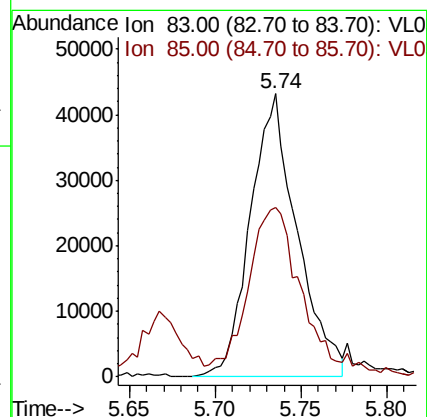
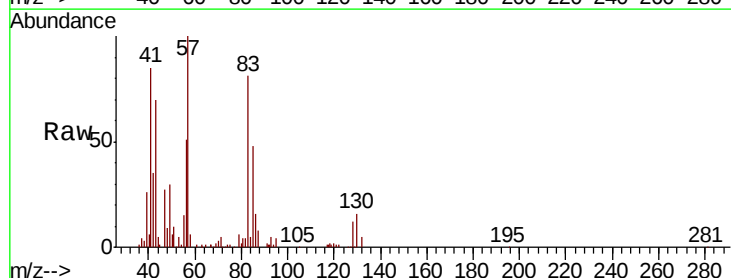
Acq: 19 May 2021 17:10

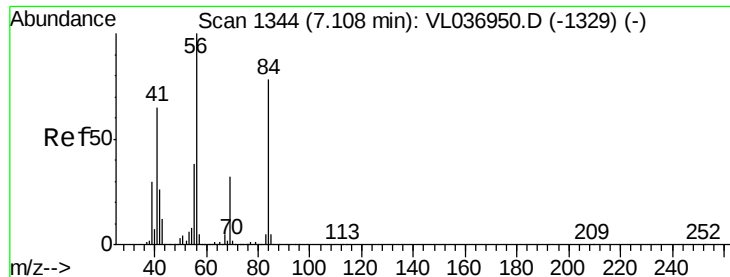
Tgt Ion: 83 Resp: 81748

Ion Ratio Lower Upper

83 100

85 54.9 51.1 76.7

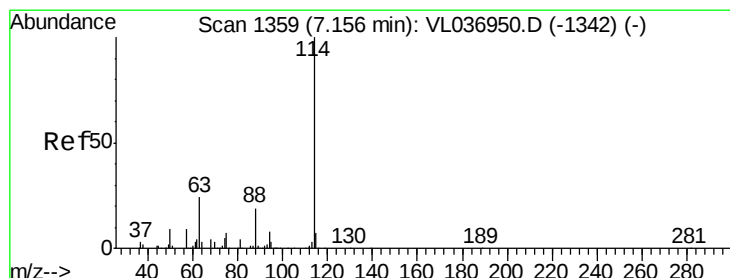
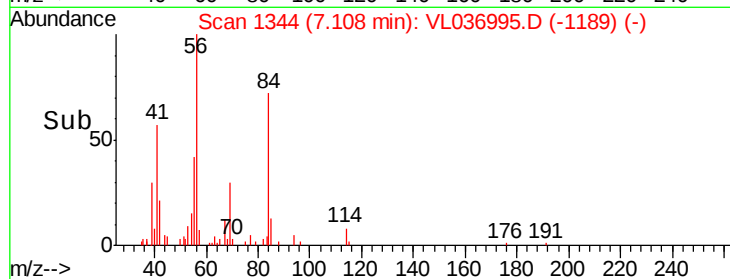
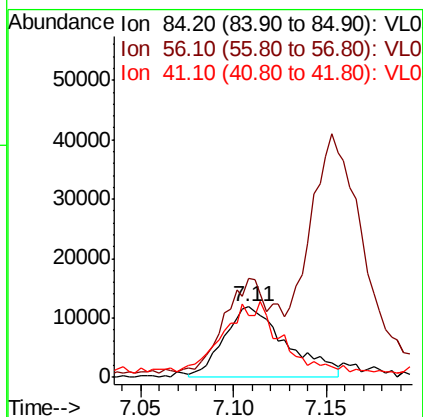
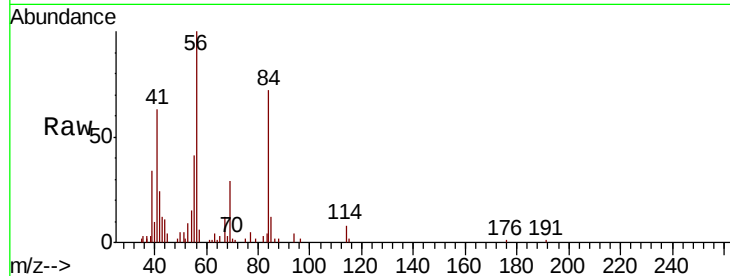




#30
Cvclohexane
Concen: 0.220 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

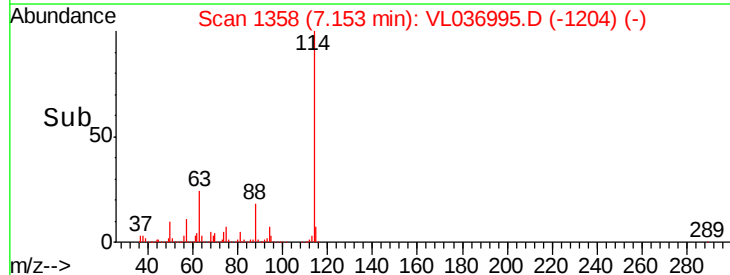
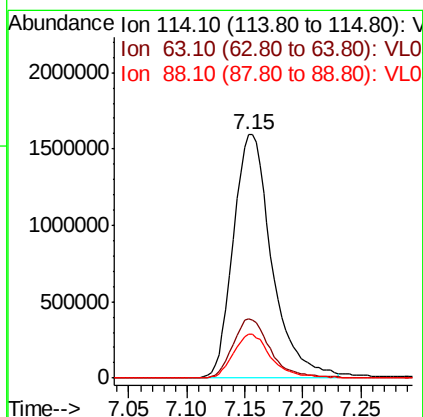
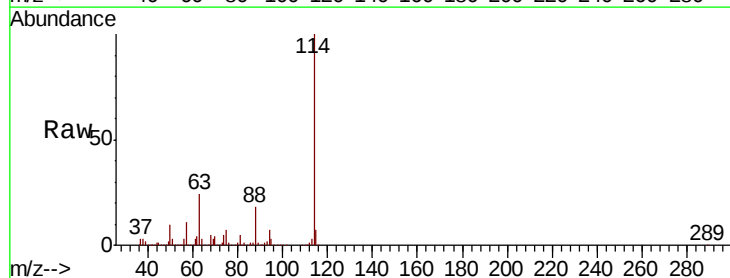
Instrument :
MSVOA_L
ClientSampleId :
KIA-01

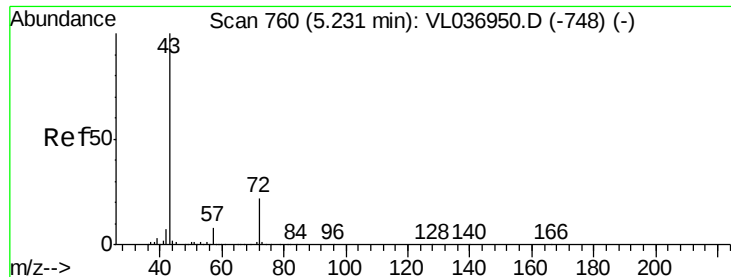
Tot Ion: 84 Resp: 27949
Ion Ratio Lower Upper
84 100
56 0.0 107.9 161.9#
41 105.1 65.5 98.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

Tgt Ion: 114 Resp: 3683991
Ion Ratio Lower Upper
114 100
63 24.1 19.6 29.4
88 18.1 14.6 21.8

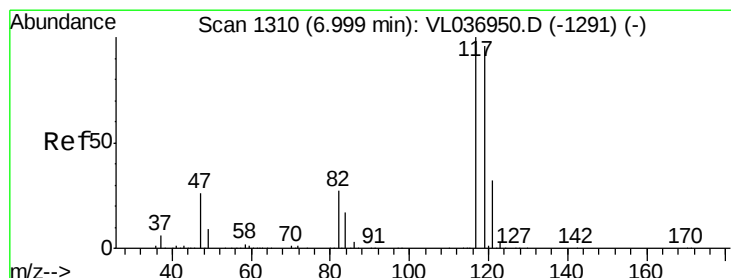
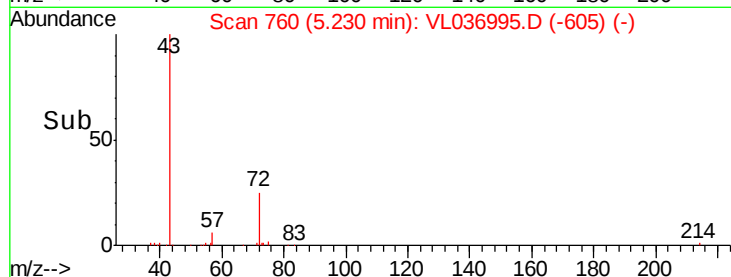
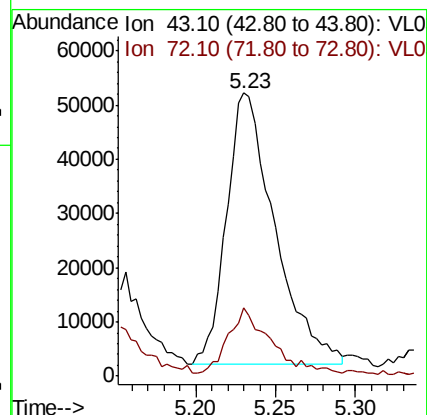
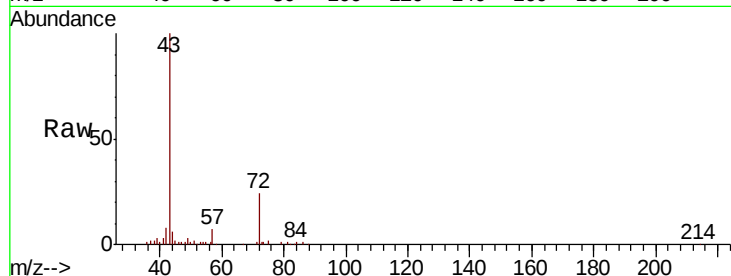




#34
2-Butanone
Concen: 0.775 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.00 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

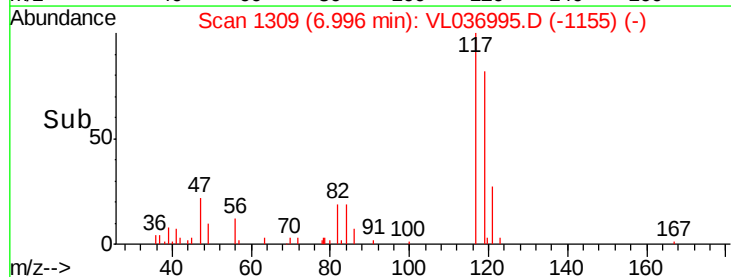
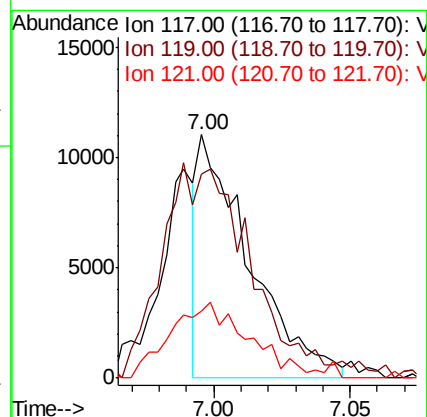
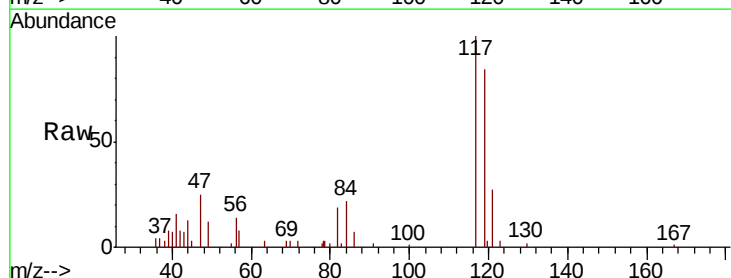
Instrument :
MSVOA_L
ClientSampleId :
KIA-01

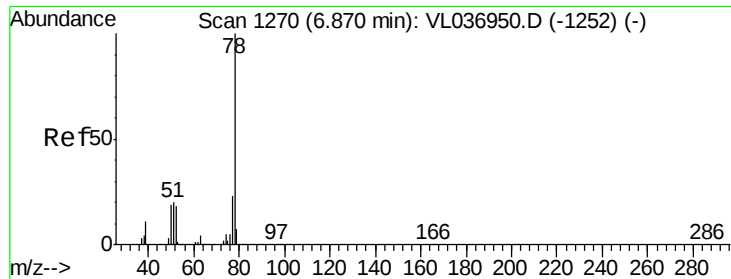
Tot Ion: 43 Resp: 103903
Ion Ratio Lower Upper
43 100
72 24.4 19.0 28.4



#35
Carbon Tetrachloride
Concen: 0.059 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

Tgt Ion: 117 Resp: 14356
Ion Ratio Lower Upper
117 100
119 80.2 76.6 114.8
121 28.7 25.8 38.6





#36

Benzene

Concen: 0.308 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

KIA-01

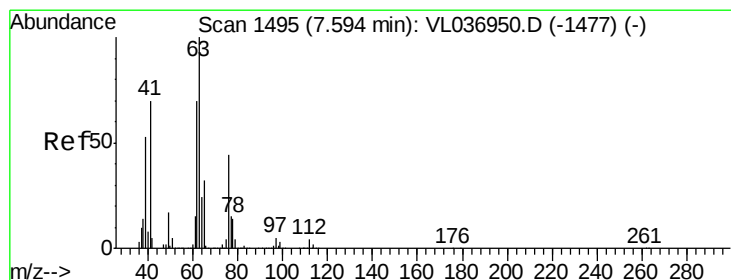
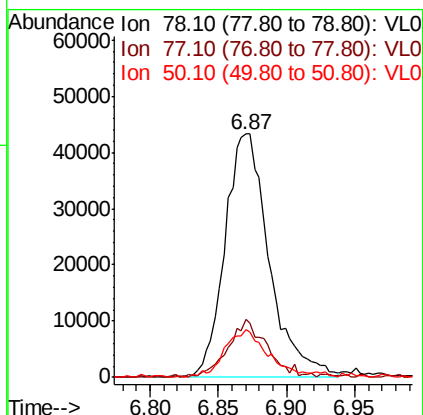
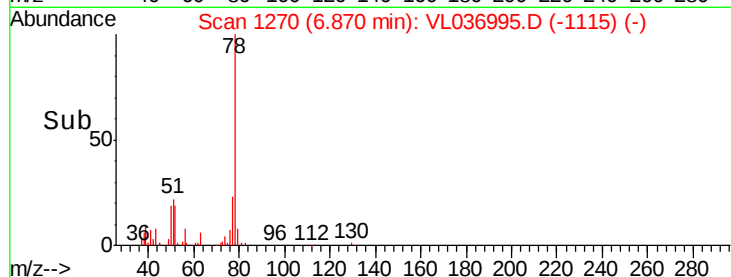
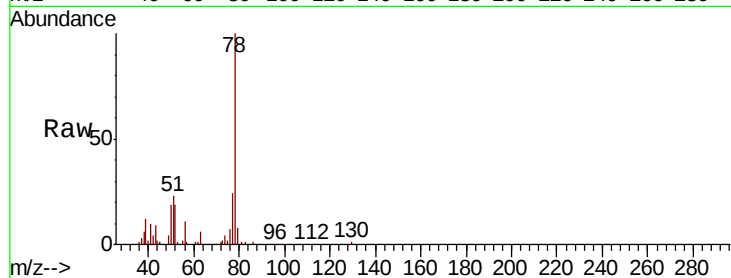
Tot Ion: 78 Resp: 97781

Ion Ratio Lower Upper

78 100

77 23.2 18.6 28.0

50 19.1 15.0 22.4



#39

1,2-Dichloropropane

Concen: 7.147 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.44 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

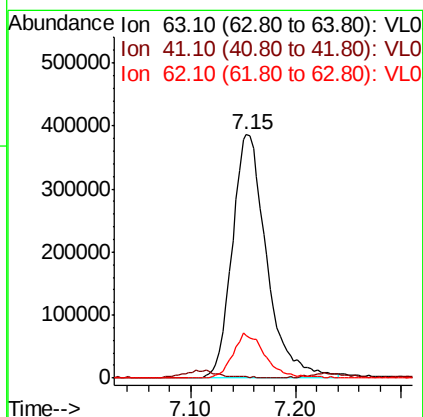
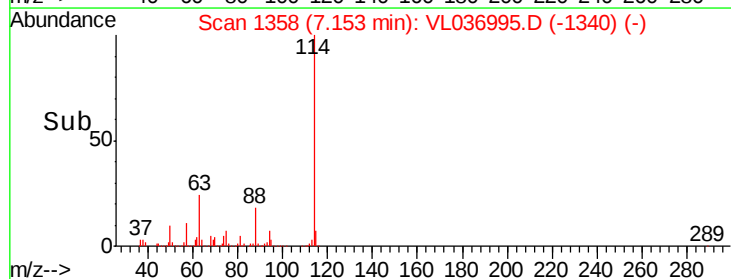
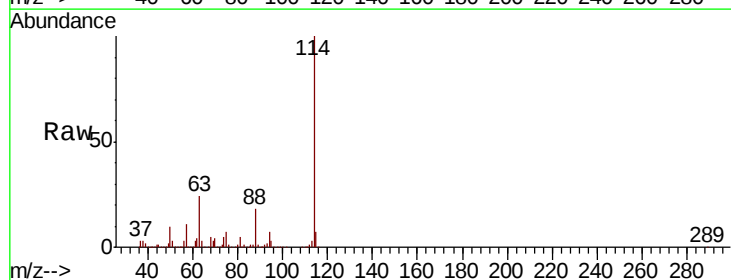
Tgt Ion: 63 Resp: 873594

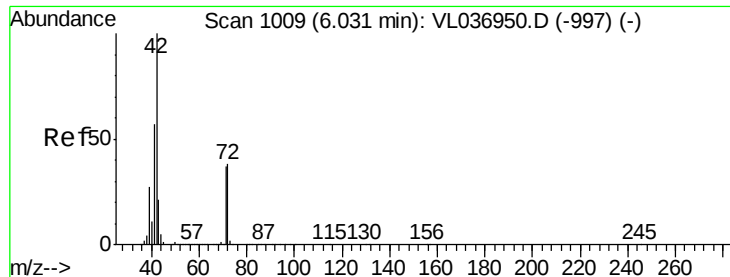
Ion Ratio Lower Upper

63 100

41 0.0 55.7 83.5#

62 17.5 56.2 84.4#





#41

Tetrahydrofuran

Concen: 18.659 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.36 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

KIA-01

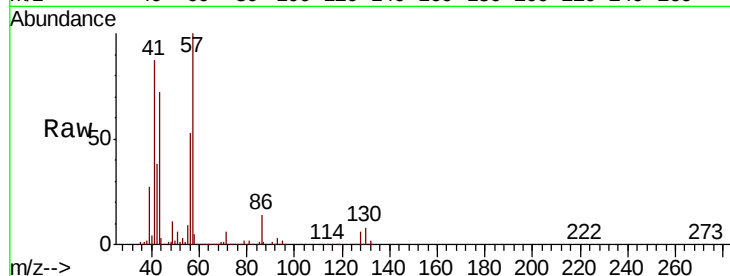
Tot Ion: 42 Resp: 1425532

Ion Ratio Lower Upper

42 100

72 1.0 31.4 47.2#

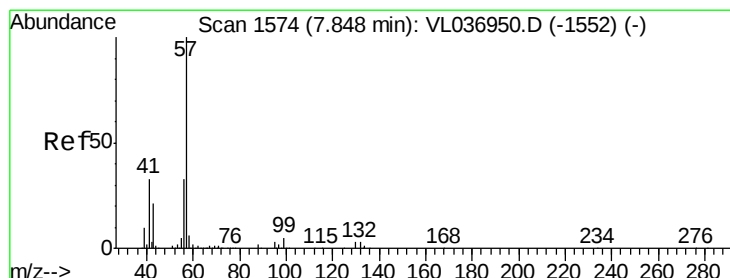
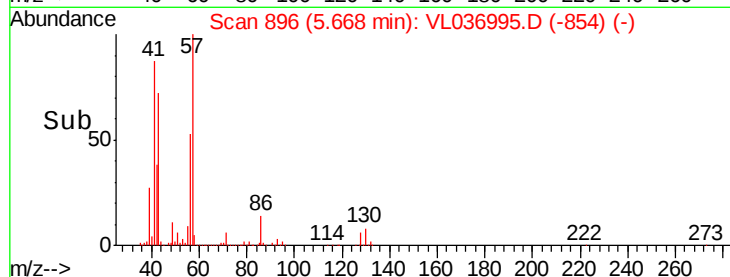
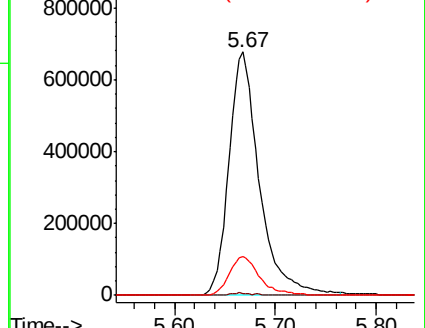
71 16.2 30.4 45.6#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.071 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

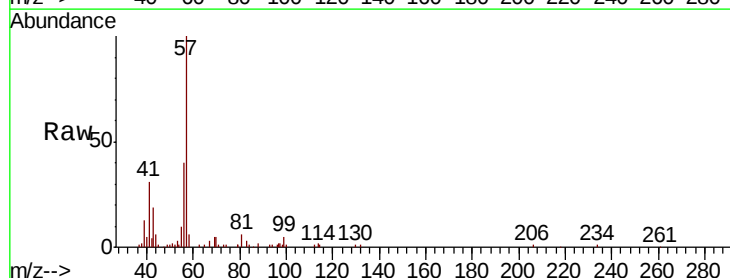
Tgt Ion: 57 Resp: 38527

Ion Ratio Lower Upper

57 100

41 0.0 27.0 40.4#

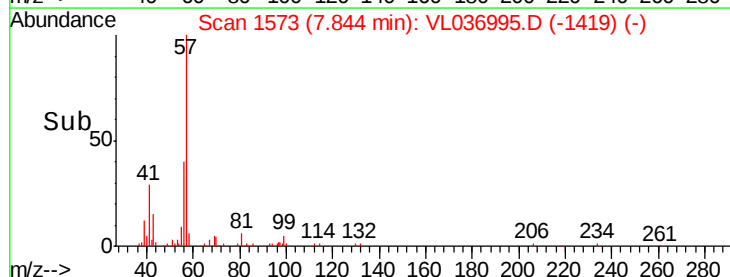
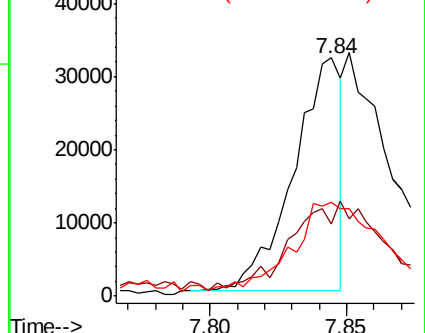
56 84.2 25.4 38.2#

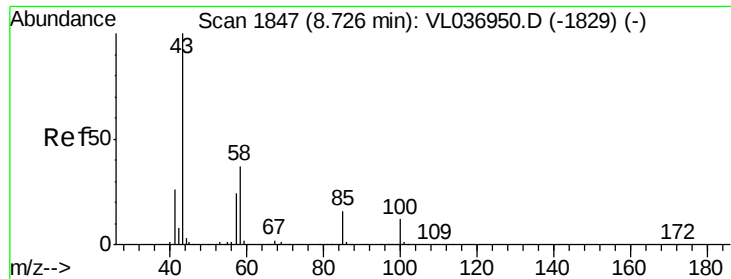


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

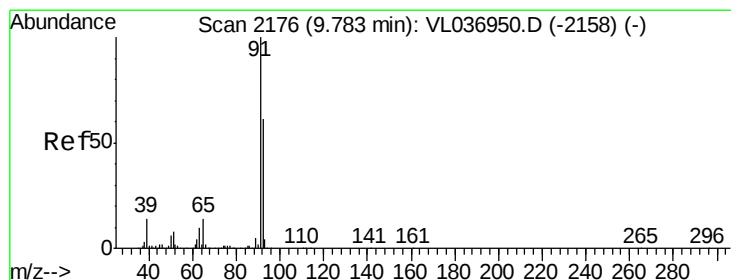
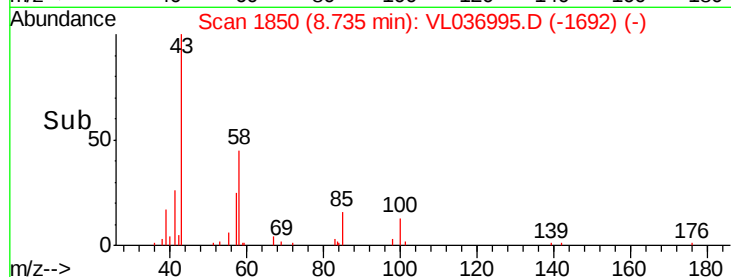
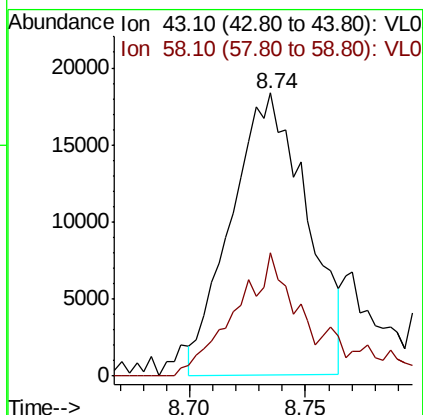
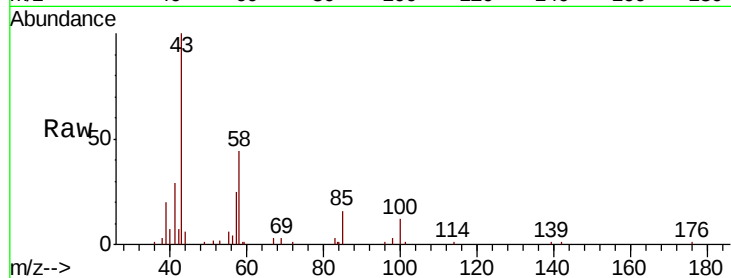




#50
4-Methyl-2-Pentanone
Concen: 0.187 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. 0.01 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

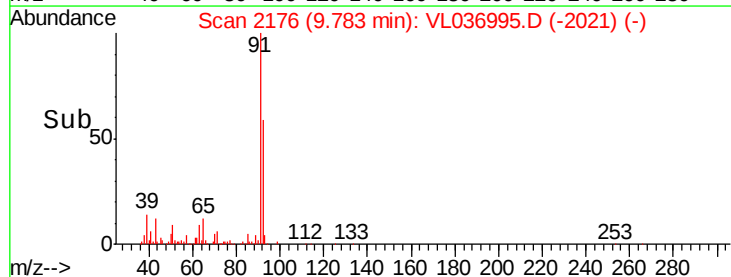
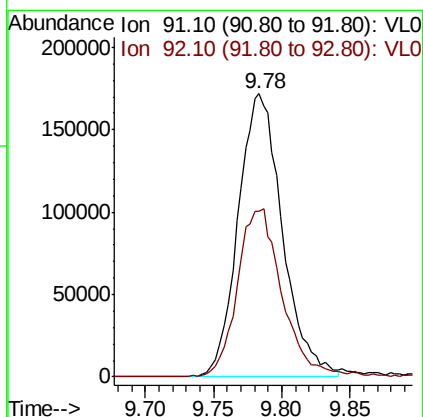
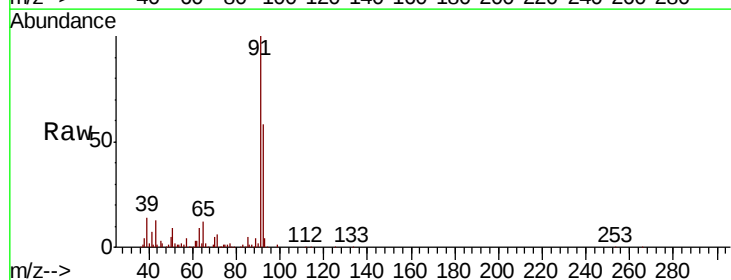
Instrument :
MSVOA_L
ClientSampled :
KIA-01

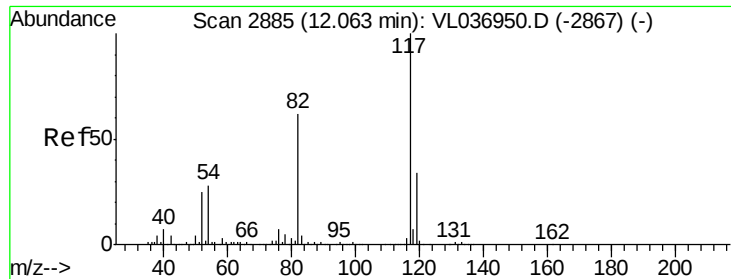
Tot Ion: 43 Resp: 41381
Ion Ratio Lower Upper
43 100
58 46.8 29.4 44.2#



#53
Toluene
Concen: 1.027 ppbv
RT: 9.78 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

Tgt Ion: 91 Resp: 387638
Ion Ratio Lower Upper
91 100
92 60.4 49.5 74.3

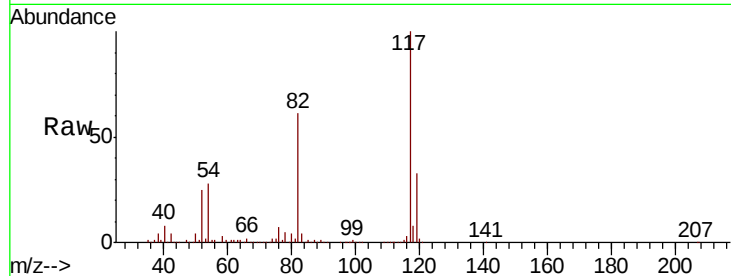




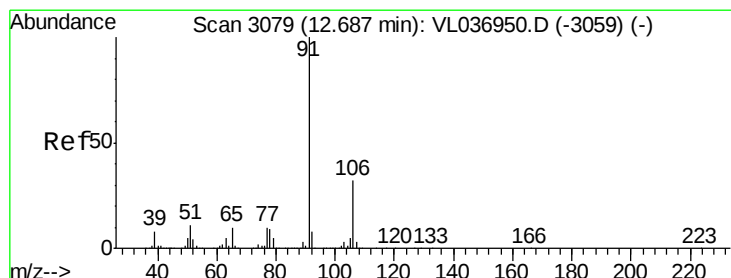
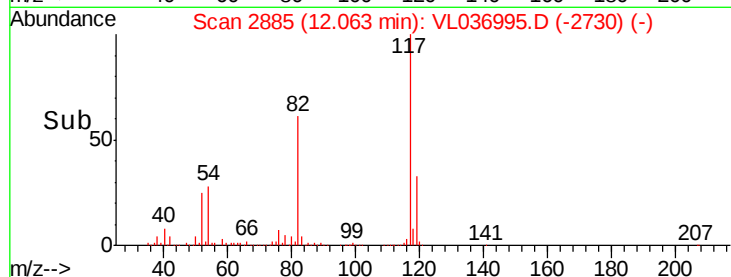
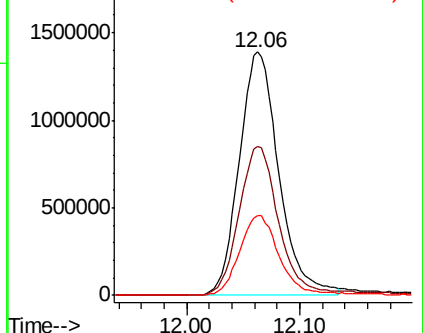
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

Instrument :
MSVOA_L
ClientSampleId :
KIA-01

Tot Ion:117 Resp: 3385145
Ion Ratio Lower Upper
117 100
82 63.6 52.6 79.0
119 33.7 46.6 70.0#

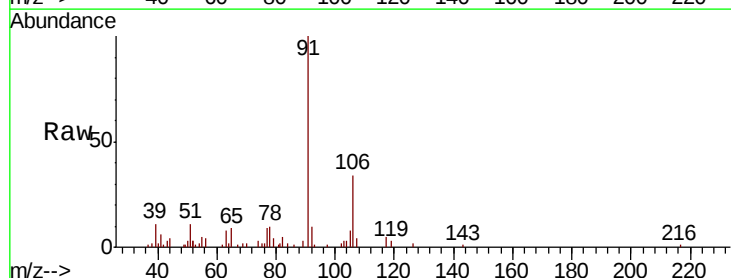


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

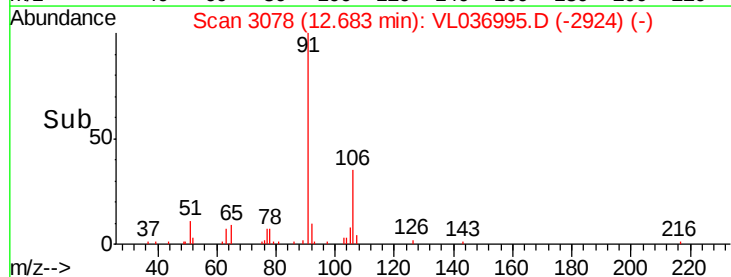
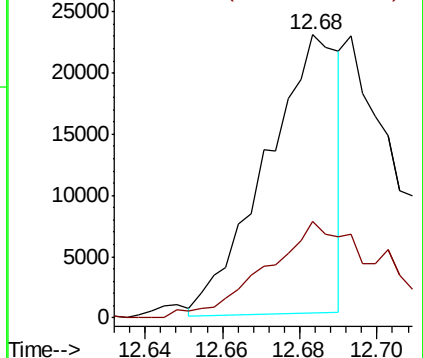


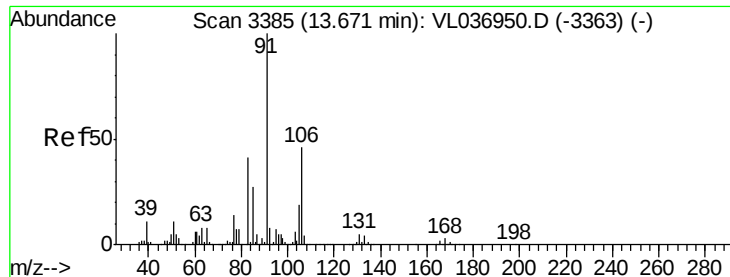
#58
Ethyl Benzene
Concen: 0.062 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.00 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

Tgt Ion: 91 Resp: 29773
Ion Ratio Lower Upper
91 100
106 33.1 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

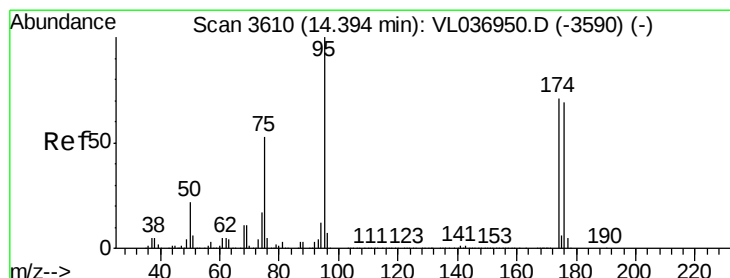
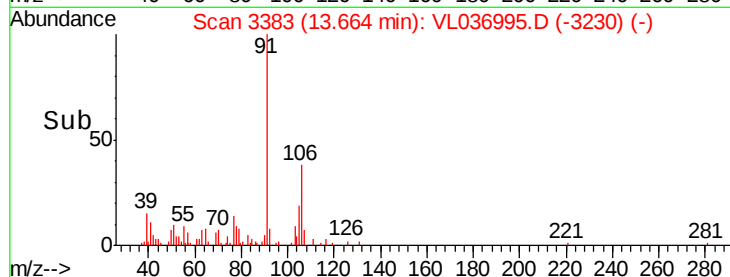
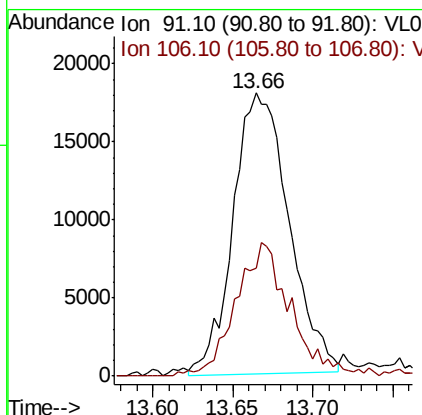
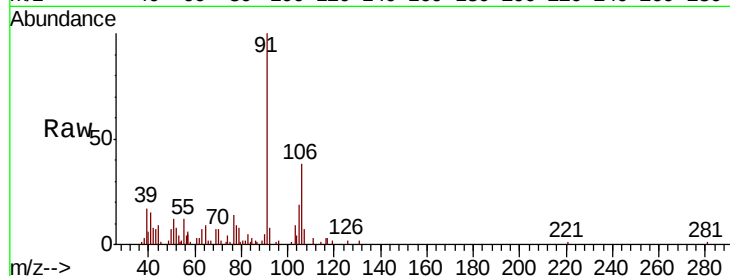




#60
o-Xylene
Concen: 0.114 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.01 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

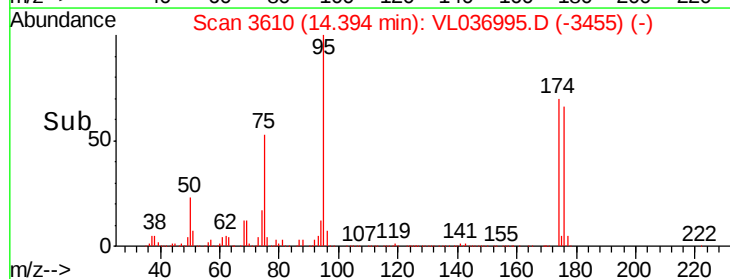
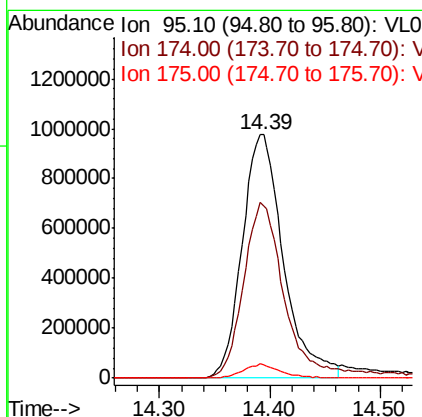
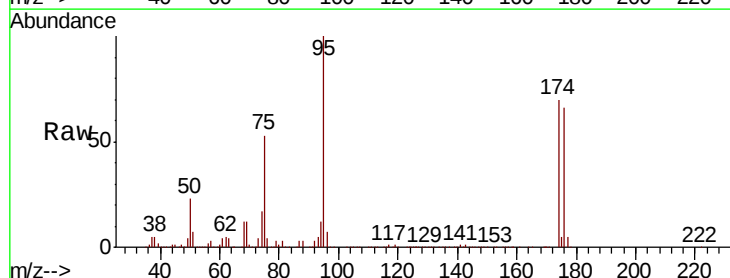
Instrument :
MSVOA_L
ClientSampleID :
KIA-01

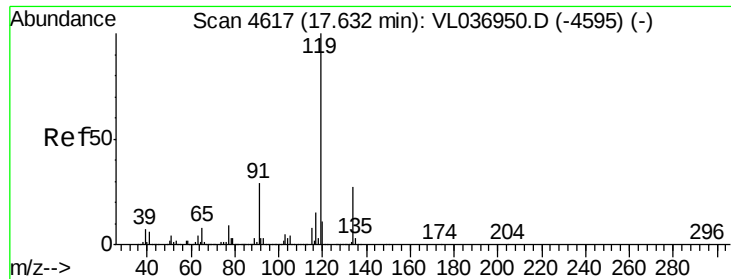
Tot Ion: 91 Resp: 43046
Ion Ratio Lower Upper
91 100
106 47.5 23.4 70.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.931 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.00 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

Tgt Ion: 95 Resp: 2525559
Ion Ratio Lower Upper
95 100
174 75.5 58.4 87.6
175 5.3 4.4 6.6

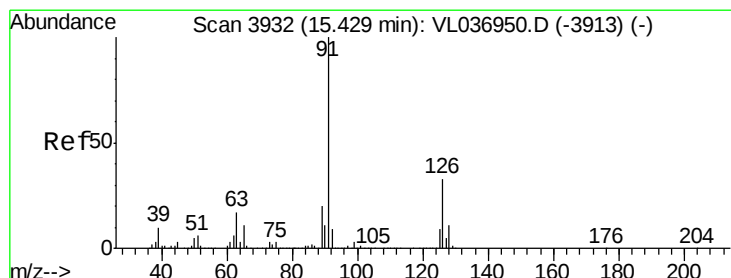
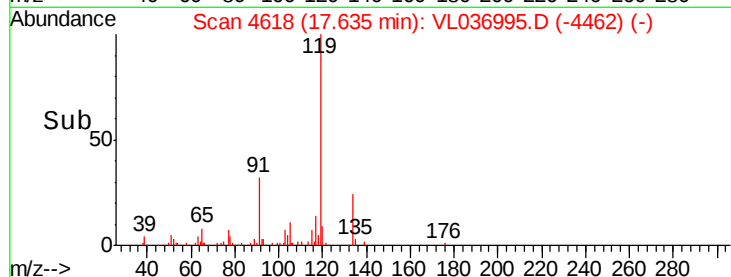
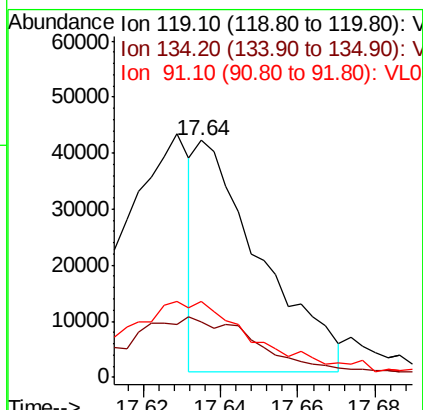
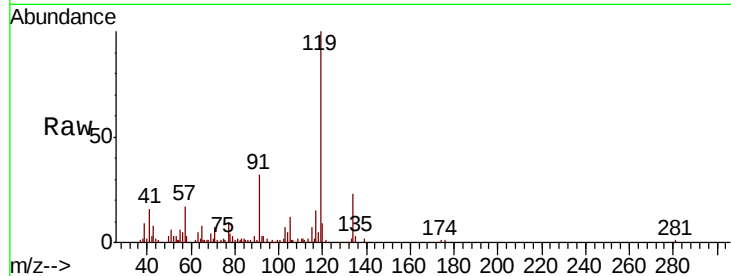




#69
p-Isopropyltoluene
Concen: 0.083 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. 0.00 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

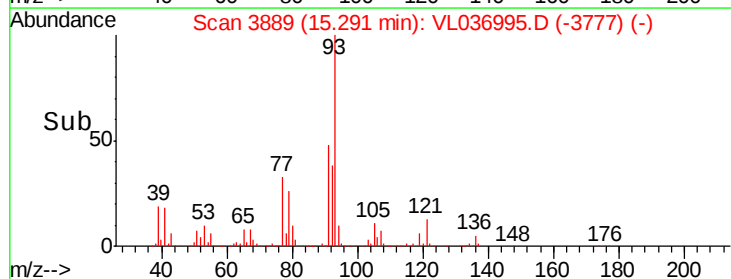
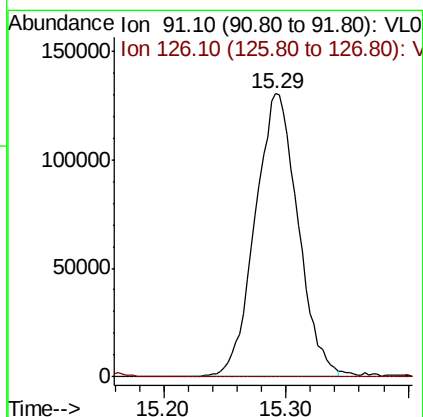
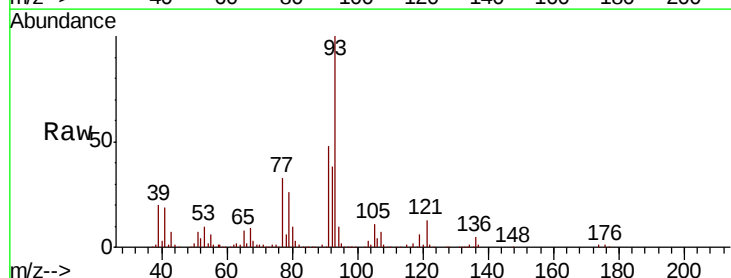
Instrument :
MSVOA_L
ClientSampleId :
KIA-01

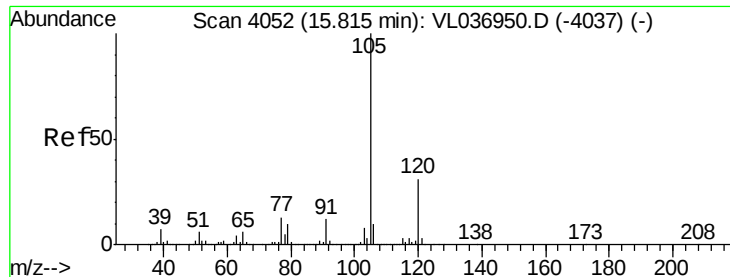
Tot Ion:119 Resp: 47742
Ion Ratio Lower Upper
119 100
134 61.5 21.2 31.8#
91 0.0 22.2 33.4#



#71
2-Chlorotoluene
Concen: 0.812 ppbv
RT: 15.29 min Scan# 3889
Delta R.T. -0.14 min
Lab File: VL036995.D
Acq: 19 May 2021 17:10

Tgt Ion: 91 Resp: 317390
Ion Ratio Lower Upper
91 100
126 0.0 13.1 52.5#





#72

4-Ethyltoluene

Concen: 0.060 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

KIA-01

Tot Ion:105 Resp: 26953

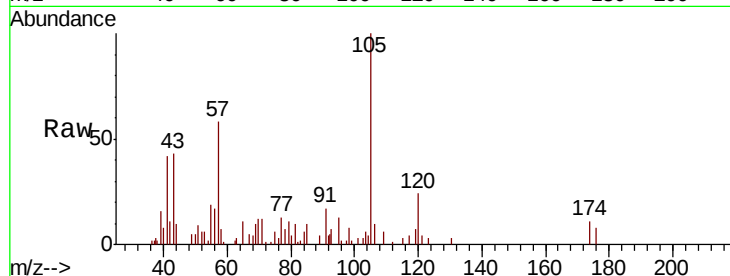
Ion Ratio Lower Upper

105 100

120 41.2 24.6 37.0#

91 18.8 9.8 14.6#

77 17.0 10.4 15.6#



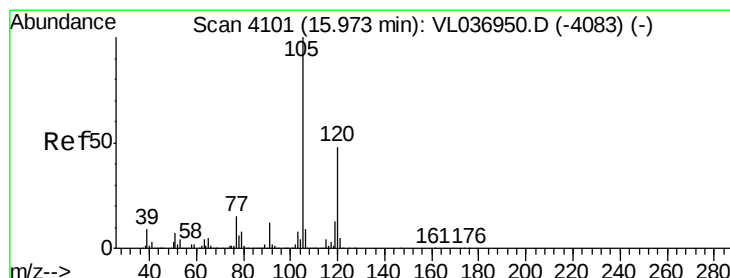
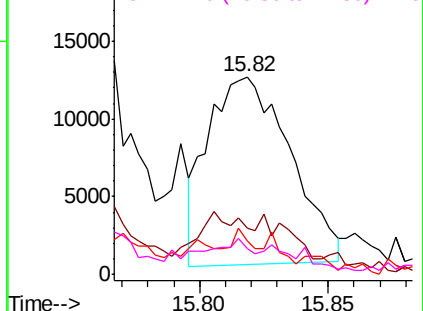
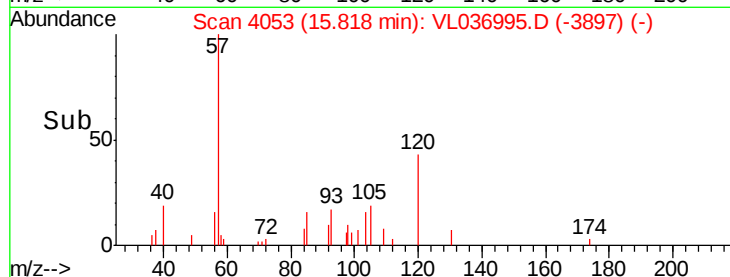
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.089 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL036995.D

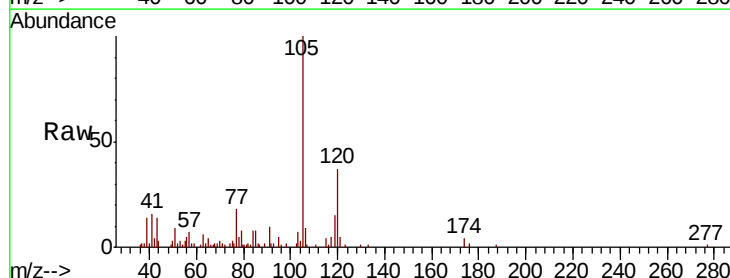
Acq: 19 May 2021 17:10

Tgt Ion:105 Resp: 37542

Ion Ratio Lower Upper

105 100

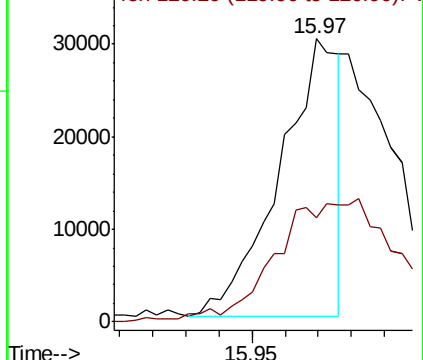
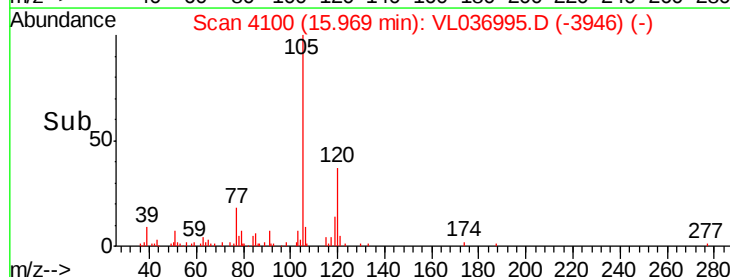
120 34.9 38.6 58.0#

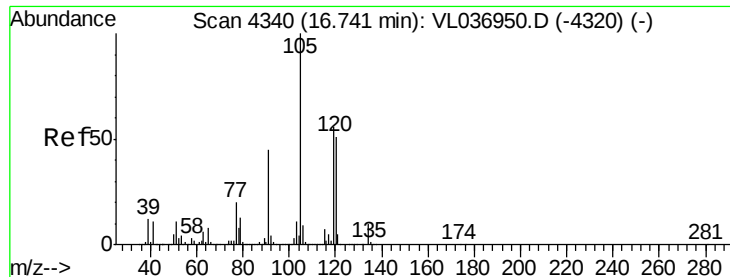


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.159 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

Instrument :

MSVOA_L

ClientSampleId :

KIA-01

Tot Ion:105 Resp: 69130

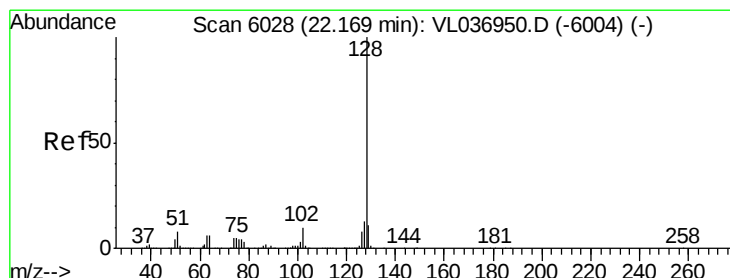
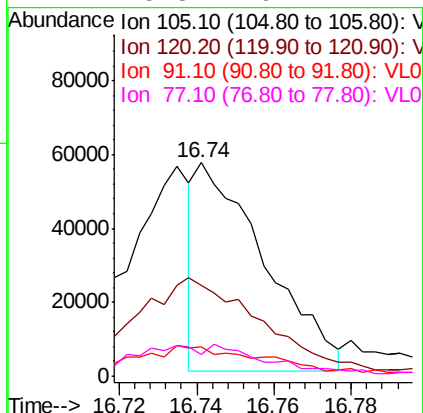
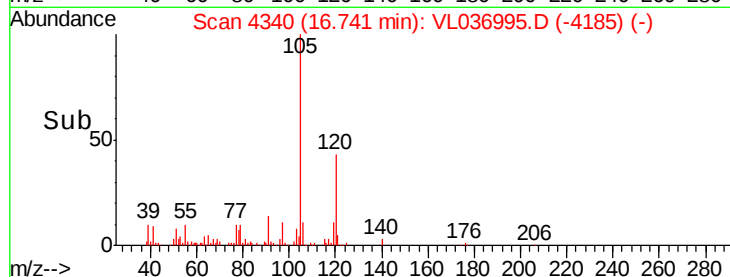
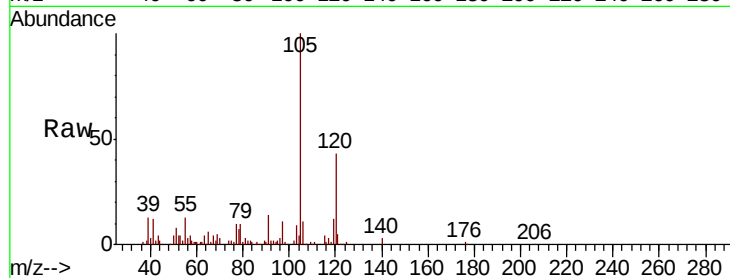
Ion Ratio Lower Upper

105 100

120 41.0 40.6 61.0

91 12.0 37.4 56.0#

77 8.3 16.2 24.4#



#79

Naphthalene

Concen: 0.045 ppbv

RT: 22.19 min Scan# 6034

Delta R.T. 0.02 min

Lab File: VL036995.D

Acq: 19 May 2021 17:10

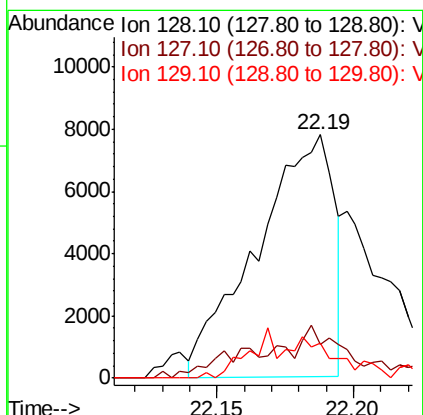
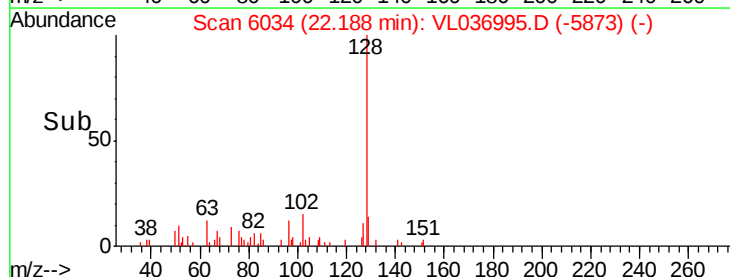
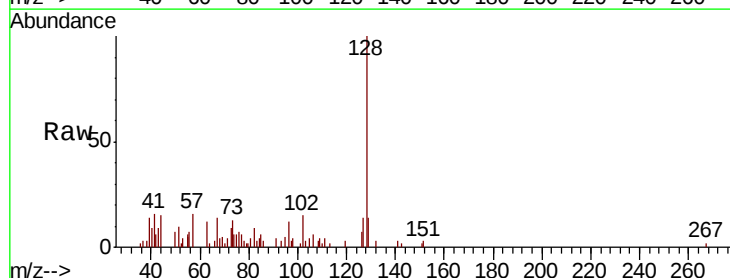
Tgt Ion:128 Resp: 15336

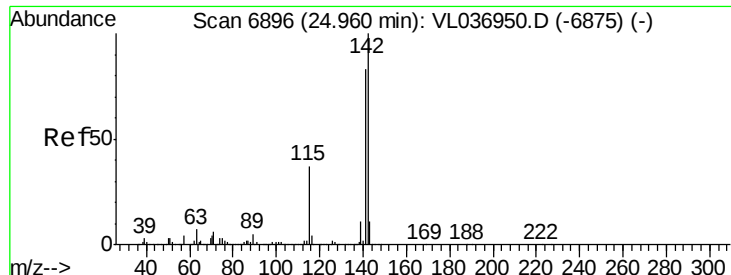
Ion Ratio Lower Upper

128 100

127 12.0 10.4 15.6

129 15.3 9.0 13.6#

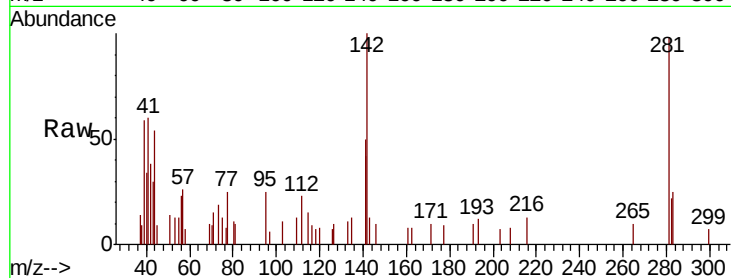




#80
 Naphthalene, 2-methyl-
 Concen: 0.056 ppbv
 RT: 24.95 min Scan# 6894
 Delta R.T. -0.01 min
 Lab File: VL036995.D
 Acq: 19 May 2021 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	76.6	69.3	103.9
115	50.5	29.1	43.7



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

